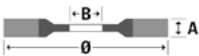




Appearance can vary from picture depending on variant.



Novotec diamond wheel brushes

Superior ★ ★ ★ ★ ☆

For the cutting edge preparation of carbide tools. Individual disc brushes wound around a steel flange and with very narrow working widths. The cutting speed is about 15 m/s (oscillating).

Filament material

The hardest abrasive medium is used as the abrasive grain here - diamond. This guarantees high cutting performance yet at the same time prolongs brush life.

Filament geometry

Round bristles

Applications

Ceramics

For homogenising the cutting geometries of ceramic reversing plates and for deburring turbo rotors.

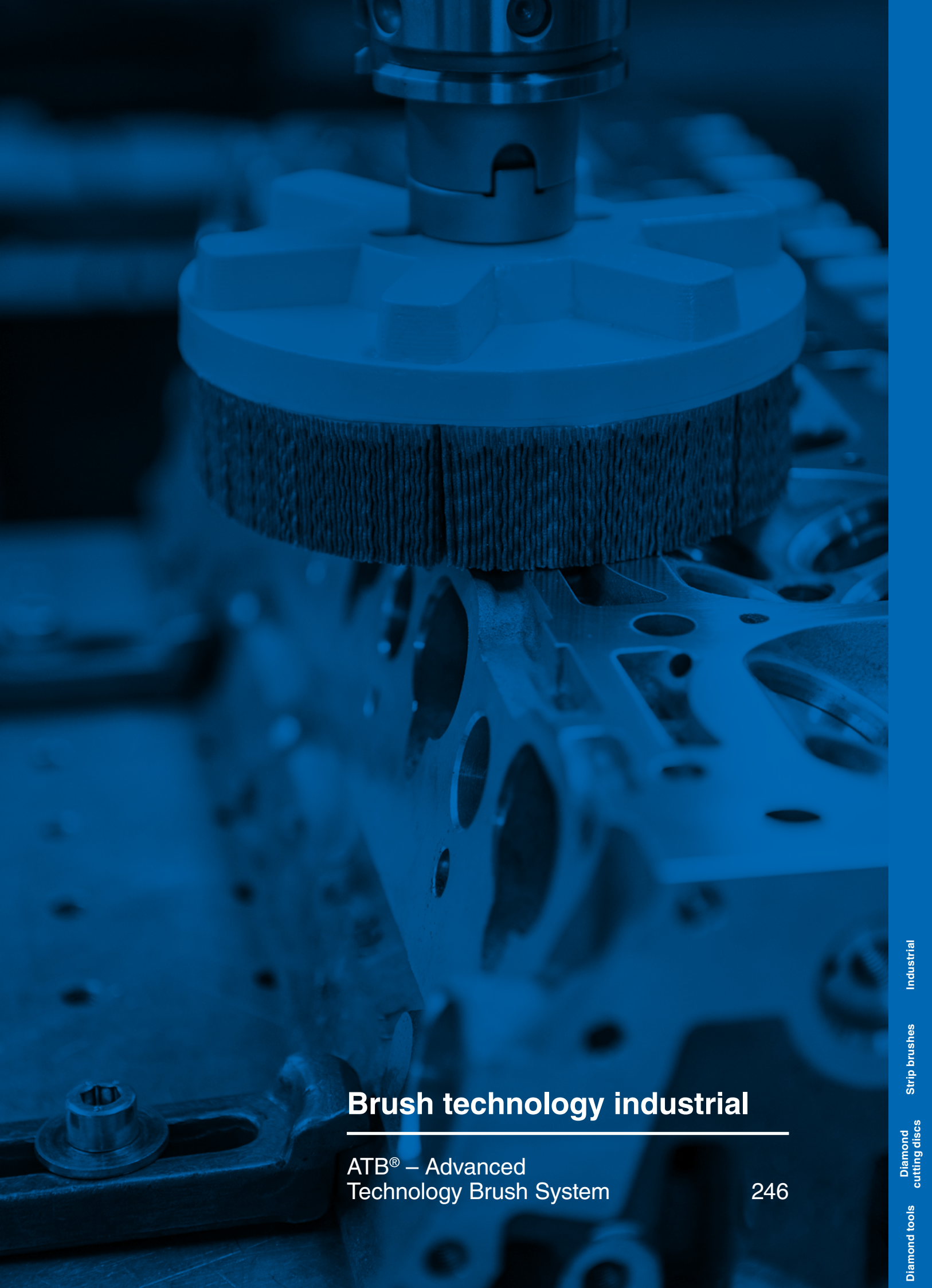
Carbide tools

- Carbide drill bits
- Milling tools
- Circular saws
- Reversing plates

The cutting geometries are homogenised here and provided defined cutting edge roundness. This broadly prevents the cutting edge from breaking when used later at high cutting speeds and feed rates.



Ø	A	B	RPM	PU	■ Grit 400 ■	■ Grit 600 ■	■ Grit 800 ■
					Order no.	Order no.	Order no.
150	4	20	2800	1	4001-901 924	6001-901 924	8001-901 924
150	8	20	2800	1	4001-902 924	6001-902 924	8001-902 924
200	4	20	1400	1	4001-901 926	6001-901 926	8001- 901 926
200	8	20	1400	1	4001-902 926	6001-902 926	8001- 902 926



Brush technology industrial

ATB® – Advanced
Technology Brush System

246

High-tech brushes for automated deburring



Edge rounding without changing the workpiece geometry

Technical brushes are precision tools that take a major part of the responsibility for the quality of end products. They can be tailored to virtually any material machined in a component-oriented manner.

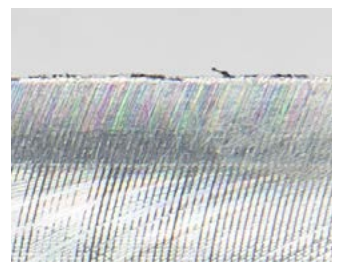
Our ATB® brushes are available to you with a large selection of abrasive bristles having **silicone carbide** or **ceramic** filament, with different grit sizes and filament diameters.

ATB® brushes are designed for direct adaption on tool holders with **face mill arbors** (DIN 6357) and **shell mill mounts** (DIN 6358). This means they can be used on machining centres, CNC millers & lathes and robot cells for example.

Brushes are deployed downstream of the machining process, and the use of cooling lubricants, emulsions and water poses no problems. This means the machined work pieces can be directly deburred and finished in a reliable and reproducible manner without reclamping on the machine.

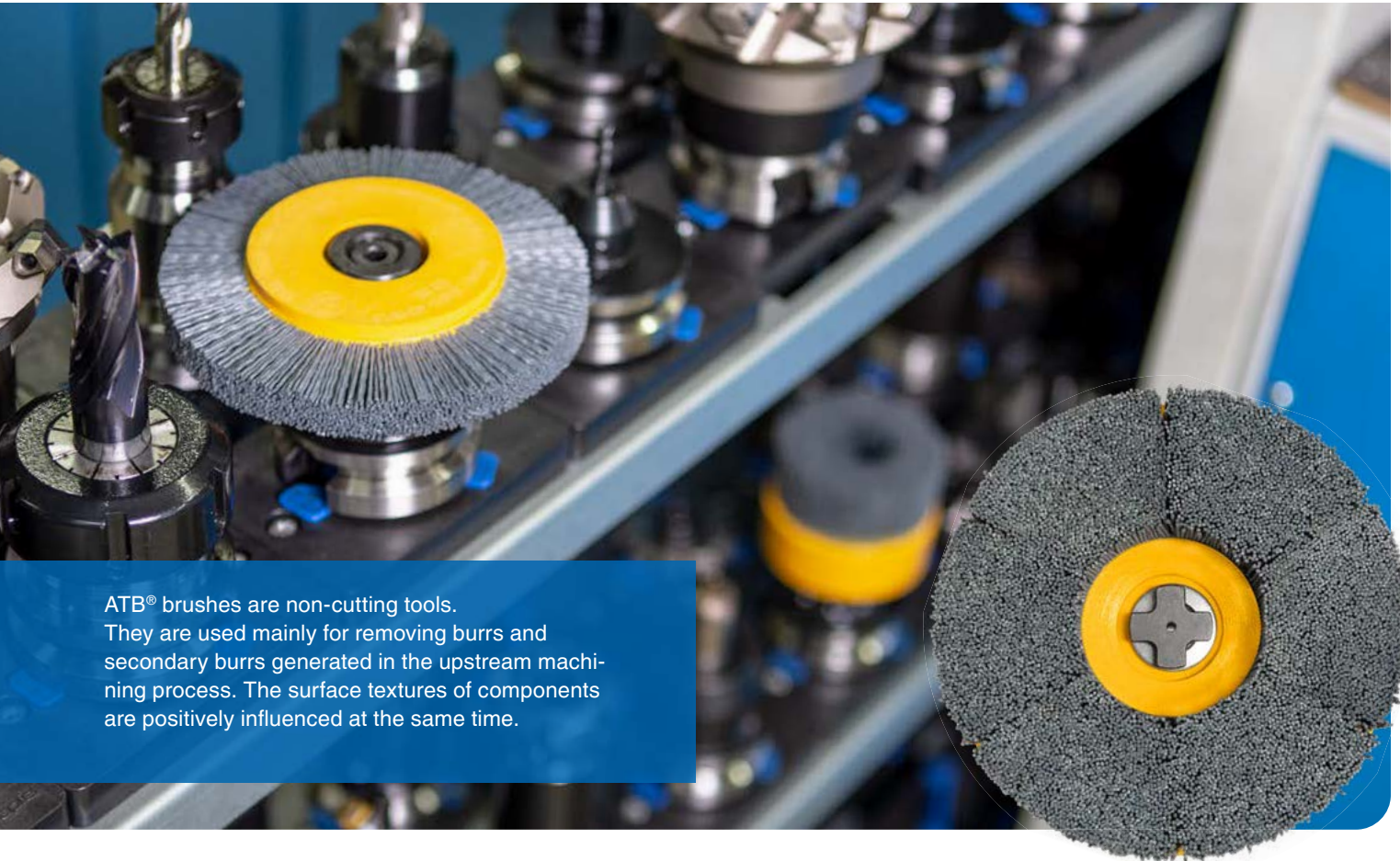


Before machining - Distinct burrs on the edge.
Milling grooves on the surface.



After machining - Burrs have been reliably removed and the edges rounded. The surface has a uniform, brushed appearance.





ATB® brushes are non-cutting tools. They are used mainly for removing burrs and secondary burrs generated in the upstream machining process. The surface textures of components are positively influenced at the same time.

Deburring directly after the machining process

Shorter cycle times and very uniform edge rounding, and so particularly suited for the deburring of:

- Milled and turned parts
- Ground components
- Sinter parts
- Punched, nipples and pressed parts
- Pneumatic and hydraulic parts
- Engine components such as cylinder heads and cylinder blocks
- Die-cast parts
- Valve plates
- Parts ground flat
- Toothed parts
- Contact and sealing surfaces
- Finishes

Maximum filament density Minimum process costs

ATB® brushes have filament densities four times higher than disc brushes manufactured in the conventional way (punched). This means brush life is prolonged many times over - with at the same time quicker processing times and better and more efficient deburring results.

Features

- Bristles are securely casted
- Extremely dense filament surface
- Planar filament surface
- High abrasive grit content for effective deburring
- High levels of form stability and concentricity
- Aggressive brushing effect
- Can be tailored to any material machined
- Use with coolant possible/recommended
- Standardised face mill arbors and shell mill mounts
- Can be used on the same machining center/CNC machine directly after the upstream machining process

BRUSH TECHNOLOGY INDUSTRIAL

ATB® brushes



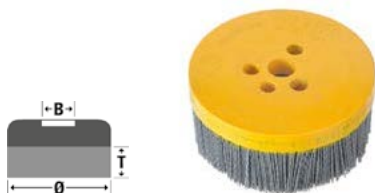
ATB® brushes with maximum fill density, compatible with clamping fixture

Evolution ★★★★★

Can be used for deburring components made of the most diverse of materials, such as steel, aluminium and cast iron.

Appearance can vary from picture depending on variant.

					NHS 80	NHS 120	NHS 180	NHS 320
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	16 (hexagonal)	K = Fixture with shank	1	6701-604 912	5411-604 912	5431-604 912	5441-604 912
76	35	16 (hexagonal)	L = Fixture with shank	1	3111-604 913	9841-604 913	3311-604 913	3151-604 913
85	35	16 (hexagonal)	J = Fixture with shank	1	6201-604 914	1601-604 914	2211-604 914	6231-604 914
106	35	16 (hexagonal)	H = Fixture with shank	1	3101-604 914	3221-604 914	3321-604 914	3401-604 914
					NHC 80	NHC 120	NHC 180	NHC 320
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	16 (hexagonal)	K = Fixture with shank	1	2201-604912	1301-604912	1311-604912	1321-604912
76	35	16 (hexagonal)	L = Fixture with shank	1	1321-604913	1331-604913	1351-604913	1361-604913
85	35	16 (hexagonal)	J = Fixture with shank	1	1341-604914	1351-604914	1361-604914	1371-604914
106	35	16 (hexagonal)	H = Fixture with shank	1	5891-604914	9901-604914	4411-604914	1381-604914



ATB® brushes with maximum fill density, for tool holders

Evolution ★★★★★

For the deburring of contact and sealing surfaces, and the functional areas of the most diverse of components. They should be used on stationary machines. Usage with cooling lubricant, water or oil is recommended.

Appearance can vary from picture depending on variant.

					NHS 80	NHS 120	NHS 180	NHS 320
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
125	40	18 + Driving hole	C = Fixture for HSK/SK	1	3101-604 916	3201-604 916	3311-604 916	3401-604 916
150	40	18 + Driving hole	D = Fixture for HSK/SK	1	3111-604 916	3211-604 916	4341-604 916	3411-604 916
175	40	18 + Driving hole	E = Fixture for HSK/SK	1	3131-604 916	3231-604 916		
200	40	18 + Driving hole	F = Fixture for HSK/SK	1	8411-604 918	4021-604 918	5901-604 918	
250	38	18 + Driving hole	G = Fixture for HSK/SK	1	6511-604 919	6171-604 916	2401-604 919	
					NHC 80	NHC 120	NHC 180	NHC 320
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
125	40	18 + Driving hole	C = Fixture for HSK/SK	1	0101-604916	0201-604916	0311-604916	0401-604916
150	40	18 + Driving hole	D = Fixture for HSK/SK	1	0111-604916	0211-604916	0341-604916	0411-604916
175	40	18 + Driving hole	E = Fixture for HSK/SK	1	0131-604916	0231-604916		
200	40	18 + Driving hole	F = Fixture for HSK/SK	1	1611-604918	0021-604918	0901-604918	
250	38	18 + Driving hole	G = Fixture for HSK/SK	1		8771-604919		



Clamping fixtures for ATB® disc brushes

Appearance can vary from picture depending on variant.

		INDEX K / Ø 50 mm	INDEX L / Ø 76 mm	INDEX L / Ø 85 mm	INDEX L / Ø 106 mm	
Clamping fixture	PU	Order no.	Order no.	Order no.	Order no.	Order no.
With shank (Ø 12 mm) and clamping DIN 6535-HB	1	5002-075 000	3642-075 000	9602-075 000	3652-075 000	
		INDEX C / Ø 125 mm	INDEX D / Ø 150 mm	INDEX E / Ø 175 mm	INDEX F / Ø 200 mm	INDEX G / Ø 250 mm
Clamping fixture	PU	Order no.	Order no.	Order no.	Order no.	Order no.
For including on clamping cones HSK/SK tool holder	1	3602-075 000	3612-075 000	3622-075 000	3692-075 000	1922-075 000



Tool holders

Appearance can vary from picture depending on variant.

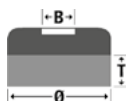
Tool holders	for INDEX	PU	Order no.
HSK – A63, to DIN 69893	C, D, E, F, G	1	3603-604 000
HSK – A100 to DIN 69893	C, D, E, F, G	1	3633-604 000
SK – 40 to DIN 69871	C, D, E, F, G	1	3613-604 000
Weldon surface with shank 12 mm diameter, HSK - A63 to DIN 69893	H, J, K, L	1	4933-604 000
Weldon surface with shank 12 mm diameter, HSK - A100 to DIN 69893	H, J, K, L,	1	6303-604 000



ATB® brushes with maximum fill density, for shell mill mount

Evolution ★★★★★

For the deburring of contact and sealing surfaces, and the functional areas of the most diverse of components. They should be used on stationary machines. Usage with cooling lubricant, water or oil is recommended. For direct mounting on shell mill holders without need of further clamp set / system.



Appearance can vary from picture depending on variant.

						■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	Ø 16 with groove	Direct to shell mill holder	1	6601-604 912	6501-604 912	6401-604 912	
76	35	Ø 22 with groove	Direct to shell mill holder	1	5521-604 913	5511-604 913	5501-604 913	
106	35	Ø 22 with groove	Direct to shell mill holder	1	5501-604 914	5791-604 914	5521-604 914	
125	35	Ø 22 with groove	Direct to shell mill holder	1	6721-604 916	6821-604 916	6621-604 916	
125	35	Ø 27 with groove	Direct to shell mill holder	1	6761-604 916	6811-604 916	6641-604 916	
150	35	Ø 22 with groove	Direct to shell mill holder	1	6771-604 916	6841-604 916	6651-604 916	
						■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	Ø 16 with groove	Direct to shell mill holder	1	1421-604912	1431-604912	1441-604912	
76	35	Ø 22 with groove	Direct to shell mill holder	1	1451-604913	5991-604914	1461-604913	
106	35	Ø 22 with groove	Direct to shell mill holder	1	1421-604914	1431-604914	1441-604914	
125	35	Ø 22 with groove	Direct to shell mill holder	1	2431-604916	2441-604916	2451-604916	
125	35	Ø 27 with groove	Direct to shell mill holder	1	6991-604916	2461-604916	2471-604916	
150	35	Ø 22 with groove	Direct to shell mill holder	1	1061-604916	1071-604916	1091-604916	



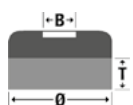
ATB® brushes with maximum fill density, Turbo-line

Evolution ★★★★★

Brushes for use on continuous deburring systems with planetary heads. They are used for flat parts that need to be produced and deburred using a punching, laser, fine blanking or forming method for example.

The filament position of ATB® Turbo-Line brushes can optionally be angled to the left or right at a defined angle. Depending on the direction of rotation, this can bring about more aggressive and effective deburring, or can limit the brush to a surface finish only.

Appearance can vary from picture depending on variant.



					■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■	■ NHS 320 ■
Ø	T	B	For mounting	PU	Order no.	Order no.	Order no.	Order no.
150	25	Ø 25/35 + 2 Driving holes	TURBO – NEUTRAL	1	3141-604 916	3241-604 916	3351-604 916	3441-604 916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled RIGHT	1	3181-604 916	3281-604 916	3391-604 916	3481-604 916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled LEFT	1	3161-604 916	3261-604 916	3371-604916	3461-604916
					■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■	■ NHC 320 ■
Ø	T	B	For mounting	PU	Order no.	Order no.	Order no.	Order no.
150	25	Ø 25/35 + 2 Driving holes	TURBO – NEUTRAL	1	0141-604916	0241-604916	0351-604916	0441-604916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled RIGHT	1	0181-604916	0281-604916	0391-604916	0481-604916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled LEFT	1	0161-604916	2191-604916		

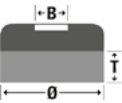
Our ATB® brushes are also available in many other designs. Our application engineers will be happy to advise you: service@osborn.de



ATB® brushes



Appearance can vary from picture depending on variant.



**ATB® wheel brush with full trim,
Cutter head holders/combined cutter arbor**

Evolution ★★★★★

ATB® round brush with very dense abrasive nylon bristle trim and high concentricity for process-reliable use and long service life. tool life. With longitudinal groove for direct clamping on tool holders (e.g. HSK, SK, BT) as cutter head holders and combi milling arbor holders.

Depending on the material of the component to be machined, the brush can be selected with ceramic grit (NH-C) or silicon carbide grit (NH-S). Please ask our application technicians about this.

Application: On CNC machines, machining centres and on robot systems. Preferably to be used wet with cooling lubricant or oil. Suitable directly after machining for deburring and edge rounding on components with side and inner surfaces, as well as for fine machining of component contours.

					NHC 120	NHC 180	NHS 120	NHS 180
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.	Order no.
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1	2111401913			
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1		2121401913		
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1			2101401913	
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1				8401401913





Brush technology industrial

Tungsten carbide burrs

254

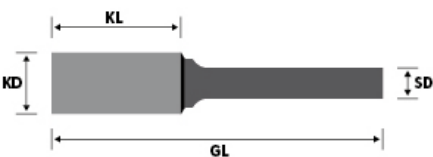


Tungsten carbide burrs, Z6 cut

Superior ★★★★★

Tungsten carbide burrs with Z6 cut offer high material removal and are suitable for universal use on the most important industrial materials.

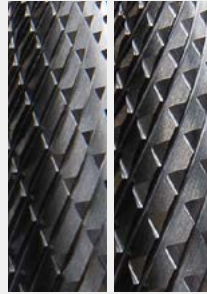
For processing of: stainless steel, steel, non-ferrous metal, cast iron



Recommended application speed (RPM)

	soft material		hard material	
	- unalloyed steel - cast steel - cast iron		- alloy steel - tool steel - rust and acid resistant steel	
	cutting speed (m/min) min. 450 max. 600		cutting speed (m/min) min. 250 max. 350	
Ø Head (KD)	RPM		RPM	
3	48.000	64.000	27.000	37.000
6	24.000	32.000	13.000	19.000
8	18.000	24.000	10.000	14.000
9,5	15.000	20.000	8.000	12.000
10	14.000	19.000	8.000	11.000
12	12.000	16.000	7.000	9.000
12,7	11.000	15.000	6.000	9.000
16	9.000	12.000	5.000	7.000





Z6 SHIPYARD



More Power?

With our special cut Shipyard, you get a 30 % increase in stock removal thanks to the optimised cutting angle. Available on all head shapes.

Please contact us:
Phone: + 44 1291643200

Recommendations

Problem	Solution
Tool impact/rattle	• Increase clamping length (min. 2/3 of shank length) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference) • Clamp workpiece with less projection
Discolouration of the tool in the transition from milling head to shank	• Reduce speed (see RPM) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference)
Head detaches from the shank	
Problems with broken teeth and premature wear	• Avoid impact loads • Increase clamping length (min. 2/3 of shank length) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference) • Clamp workpiece with less projection

Tailor-made solutions

You need a different cut, shaft length or different dimensions?
We will be pleased to work out a tailor-made solution for your machining process.

Please contact us:
Phone: + 44 1291643200





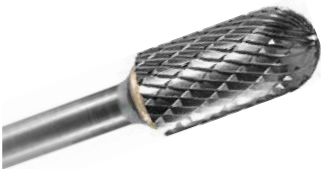
Cylindrical shape (ZYA)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0013-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0003-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0013-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0063-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0013-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0003-080 043



Cylindrical shape, end cuts (ZYA-S)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0023-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0023-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0033-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0003-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0023-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0013-080 043



Round cylindrical shape (WRC)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0033-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0043-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0053-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0013-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0033-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0023-080 043



Spherical shape (KUD)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	05	06	50	Z6	1	25.000 - 40.000	0043-080 050
08	6,5	06	51	Z6	1	20.000 - 30.000	0003-080 051
10	09	06	54	Z6	1	15.000 - 25.000	0003-080 054
12	11	06	54	Z6	1	12.000 - 18.000	0013-080 054
16	14	06	59	Z6	1	9.000 - 13.000	0003-080 059
03	2,8	03	40	Z6	1	45.000 - 70.000	0043-080 040
06	05	03	39	Z6	1	25.000 - 40.000	0003-080 039



Oval shape (TRE)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0053-0800 50
08	13	06	58	Z6	1	20.000 - 30.000	0003-080 058
9,5	16	06	61	Z6	1	15.000 - 28.000	0003-080 061
12,7	22	06	67	Z6	1	12.000 - 18.000	0003-080 067
03	07	03	40	Z6	1	45.000 - 70.000	0053-080 040
06	10	03	40	Z6	1	25.000 - 40.000	0063-080 040



Flame shape (FLF)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	18	06	50	Z6	1	25.000 - 40.000	0063-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0063-080 065
10	25	06	70	Z6	1	15.000 - 25.000	0023-080 070
12,7	32	06	77	Z6	1	12.000 - 18.000	0003-080 077
03	08	03	40	Z6	1	45.000 - 70.000	0073-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0033-080 043



Tree shape (SPG)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0083-080 050
08	18	06	63	Z6	1	20.000 - 30.000	0003-080 063
10	20	06	65	Z6	1	15.000 - 25.000	0093-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0043-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0093-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0053-080 043



Round tree shape (RBF)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0073-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0073-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0083-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0033-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0083-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0043-080 043



Round conical shape (KEL)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0103-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0113-080 065
10	30	06	75	Z6	1	15.000 - 25.000	0003-080 075
12,7	32	06	77	Z6	1	12.000 - 18.000	0013-080 077
03	13	03	40	Z6	1	45.000 - 70.000	0113-080 040



Conical shape (SKM)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0093-080 050
10	20	06	65	Z6	1	15.000 - 25.000	0103-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0053-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0103-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0063-080 043



Tip shape, angle 60° (KSJ)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	13	06	58	Z6	1	15.000 - 25.000	0013-080 058



Tip shape, angle 90° (KSK)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	08	06	55	Z6	1	15.000 - 25.000	0003-080 055



Cup shape (WKN)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	13	06	58	Z6	1	15.000 - 25.000	0023-080 058



Tungsten carbide burrs set, Z6 cut

Superior ★★☆☆☆

The best in one set: carbide cutters set consisting of our five most popular cutter shapes, of course with the Z6 cross serration. They offer high material removal and are suitable for universal use on the most important industrially used materials.

For processing of: stainless steel, steel, non-ferrous metal, cast iron

Typ	Order no. Single Article	KD	KL	SD	GL	KVZ	PU	RPM	Order no.
RBF	0033-080 070	12,7	25	06	70	Z6	1	12.000 - 18.000	0013-080 000
WRC	0033-080 050	06	16	06	50	Z6	1	25.000 - 40.000	
WRC	0053-080 065	10	20	06	65	Z6	1	15.000 - 25.000	
KUD	0003-080 054	10	09	06	54	Z6	1	15.000 - 25.000	
ZYA	0003-080 065	08	20	06	65	Z6	1	20.000 - 30.000	





Brush technology industrial

Punched brushes

262

Punched brushes



Punched brushes are extremely versatile and can be precisely matched to the application. This applies in particular to the wide range of outside diameters and installation widths. Due to the plastic or wooden bodies used, a significantly lower dead weight can be achieved compared to metal body brushes, which has a positive effect on the required drive power of the brush system. Individual holes are drilled in the body in a fixed pattern and the bristle material is punched in. The number of holes in the brush body and their spacing from each other ultimately determine the fill density of the brush.

Punched brushes are therefore used in a lower speed range and are suitable for both dry and wet applications. For applications in the food industry bodies and bristles are available that meet exactly these requirements.

We offer disc brushes, lath brushes and wheel/roller brushes in punched shape. A specialty are our Multizack® roller brushes, which you will find at the end of the chapter. Here, standardized individual segments with a width of 100 mm can be assembled as required to form longer roller brushes. For example, long roller brushes can be conveniently shipped and stored in cardboard boxes, and worn individual segments can be easily replaced.

ADVANTAGES

- Variable outside diameters and working widths
- Variable fill densities
- Wide range of bristles and wires
- Almost infinite configuration possibilities
- Low dead weight
- Good price-performance ratio

APPLICATIONS

Cleaning, washing, guiding, transporting, stripping, straightening, oiling, sealing, deburring, derusting, paint stripping, pressing, picking up, braking, sorting, distributing and many more.



TRIM MATERIALS

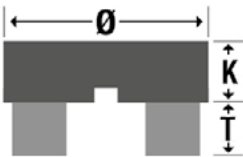
Non-abrasive bristles					Wires			
Ø	Nylon 6.0	Nylon 6.6	Nylon 6.10/12	PPN	Steel wire	Brassed	Stainless steel	Brass
Application	dry	wet	wet, for food industry	acidic and alkaline areas	deburring, derust, roughen	deburring, derusting, roughening, texturing wood	deburring, roughen, clean	non-ferrous metals
0.20	X	X	X		X		X	X
0.30	X	X	X	X	X	X	X	X
0.50	X	X	X	X				
0.60	X	X	X					
0.80	X	X	X	X				
1.00	X	X	X					
1.50	X	X	X					
straight	X	X	X	X	X	X	X	
crimped	X	X	X	X	X	X	X	X

Abrasive bristles					Natural bristles	
Ø	SIC	Ceramics	Aluminum Oxide	Diamond	Horsehair	Tampico
Application	deburring, universal, texturing wood	deburring of steel and stainless steel, cast iron	deburring, surface processing of non-ferrous metal	deburring, suitable for carbide	clean, remove dust, transport, press	polish, clean, suitable for high temperatures
46	X		X			
60	X		X			
80	X	X	X			
120	X	X	X			
180	X	X	X			
240	X	X	X	X		
320	X	X	X	X		
600	X		X	X		
straight	X	X	X	X		
crimped					X	X

Punched brushes



Appearance can vary from picture depending on variant.



Punched Disc Brushes

Superior ★★★★★☆

Disc brushes are used in a wide variety of industries and sectors when flat surfaces or geometrically demanding components are to be machined. Disc brushes with abrasive bristles are mainly used for deburring of components with machined surfaces or for flat parts. It is necessary that the disc brushes are used with a component overlap of approx. 20 % of the brush diameter in order to achieve an effective and consistent deburring result. It is also important to match the disc brushes with the correct speed to the corresponding brush diameter. As an example, a disc brush with Ø 150 mm should be used at approx. 1,100 - 1,200 rpm.

The area in the center of a disc brush, free and not filled with bristles, the so-called „free center“ is necessary so that the difference in circumferential speed from the outer Ø to the center of the brush is not too great. Which ensures stable processing and uniform wear of bristles and wires.

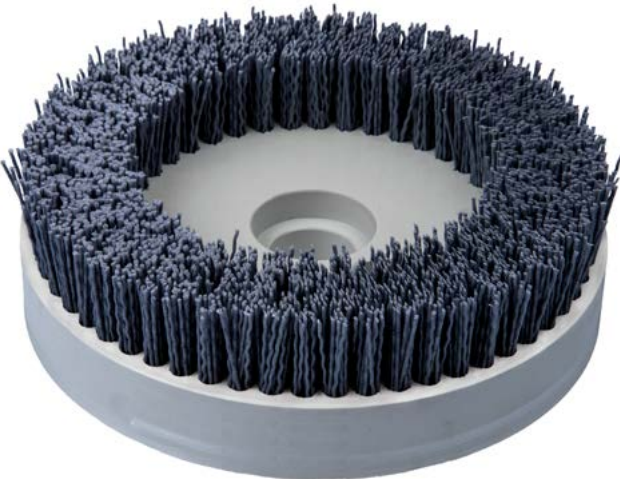
Just fill in our inquiry form.
You can find it here: www.t1p.de/s7jk5

If you are unsure and would like advice, we are happy to help: service@osborn.de

Ø Outside in mm	K Body thickness in mm	T Trim length in mm
Customized special design		
from 30 - 500 possible	10 - 40	14 - 125

Ø Outside in mm	K Body thickness in mm	T Trim length in mm
Standard diameter		
130 - M 14	20	14 - 125
150 - M 14	20	14 - 125
150	25	14 - 125
165	25	14 - 125
175	25	14 - 125

Body material: plastic, wood, multiplex





Punched brushes



Appearance can vary from picture depending on variant.



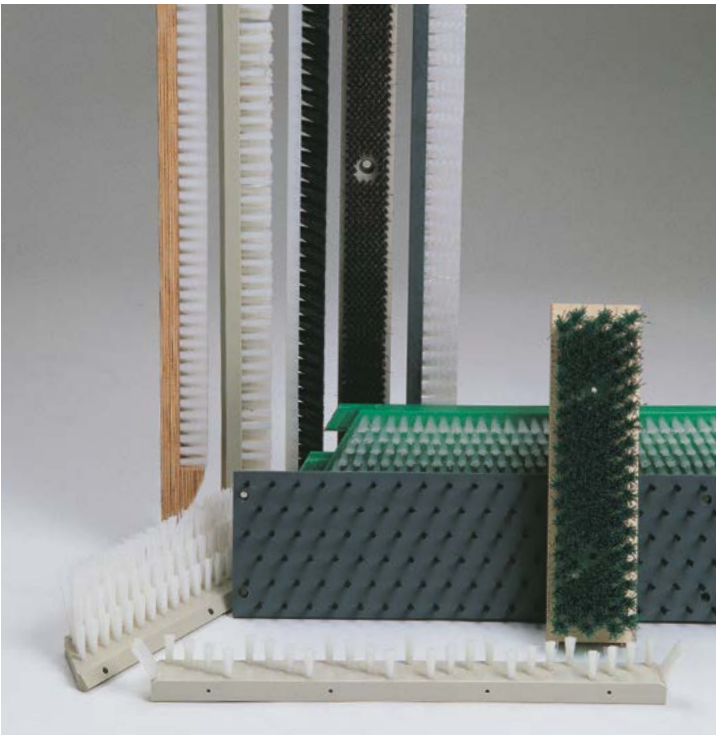
Punched Lath Brushes

Superior ★★★★★☆

The strip brushes are used in many areas of industry for transporting and positioning a wide variety of components. In addition to the requirements for aligning, braking, wiping and noise reduction in the material flow of parts, the lath brushes are also used for materials with sensitive surfaces such as paper, glass, plastic, etc. as a guiding, sliding and supporting element. Here, the large variety of possible combinations of trim and body materials in a wide range of dimensions meets the requirements.

If you would like advice, we would be happy to help you:
service@osborn.de

	Minimal in mm	Maximal in mm
H Body height	10	100
B Body width	10	400
L Body length	10	1000
T Free trim length	10	100





Appearance can vary from picture depending on variant.



Punched Wheel- and Roller Brushes

Superior ★★★★★

The punched wheel/roller brushes are special, versatile and are used in a wide range of industrial applications. In addition to cleaning conveyor belts and metal sheets, they are often used for transporting, wiping, washing, dedusting, oiling, guiding, pressing on, etc. A wide range of applications can also be found in the food sector.

For the use on the corresponding machines and drives, we also offer the corresponding mounting and drive shafts in steel and stainless steel for the stamped roller brushes. We will manufacture them according to your specifications.

Simply fill out our inquiry form. You can find it here:
www.t1p.de/dq52

If you are unsure and would like advice, we are happy to help:
service@osborn.de

Ø Brush			L Body length	T Trim length
K Body Ø in mm	Min. in mm	Max. in mm	Min. - Max. in mm	Min. - Max. in mm
20	25	270	6.5 - 800	14 - 140
40	45	290	6.5 - 800	14 - 140
60	65	310	6.5 - 800	14 - 140
80	85	330	6.5 - 800	14 - 140
100	105	350	6.5 - 800	14 - 140
120	125	370	6.5 - 800	14 - 140
140	145	390	6.5 - 800	14 - 140
160	165	410	6.5 - 800	14 - 140
180	185	430	6.5 - 800	14 - 140
200	205	450	6.5 - 800	14 - 140
220	225	470	6.5 - 800	14 - 140
240	245	490	6.5 - 800	14 - 140
250	255	500	6.5 - 800	14 - 140

Abrasive bristles:

maximum body length 1,500 mm

Wire, non-abrasive bristles:

Maximum body length 800 mm. Can be extended up to 3,000 mm by means of segmentation. Consult our application engineer, Heiko Hanatschek: service@osborn.de

There are various options for arranging the fill. You will find the overview on page 270.





Flexible, modular, simple and fast.

A MULTITUDE OF CONFIGURATION OPTIONS.

The MultiZack® brushing system from Osborn is a modular design system. As in a construction kit, brush bodies, fill arrangements, fill densities and a variety of fill materials can be selected and may even be combined with each other.

Seven standardized body diameters with the same segment width of 100 mm are available, each of which can be provided with high, medium or loose fill density. (See fill densities on page 270).

Individual brush segments can be slid onto a shaft one behind the other. The segments are then secured on both sides of the shaft by a set collar.

Replacing the Multi-Zack segments is extremely simple and can be carried out in a very short time, keeping machine and plant downtimes to a minimum. All that is required is to loosen a set collar and replace all or just some of the segments.

Thanks to the modular system with segment widths of 100 mm, any number of segments can be mounted on one shaft. The advantage is that these can be shipped and also stored in a space-saving and thus cost-effective manner and not in one piece as is the case with roller brushes.



The Multi-Zack segments are positioned and secured on the shaft with the appropriate Multi-Zack adjusting rings. The tothing ensures the drive and the torque transmission.

A MILLION USES

The modular design and simple assembly of the MultiZack® makes it suitable for use for an extremely wide range of different tasks. Here are just a few examples:

Cleaning, washing, polishing, deburring, peeling, oiling, moistening and dust removal of:

Moulds, die plates, dies, foils, conveyor belts, sheets, foodstuffs, containers, wood

Transport, guiding, dividing, sorting, dosing of:

Foodstuffs, tablets, glass and small parts



MultiZack® brushes are suitable for cleaning, transporting and polishing fruit or vegetables.

FILL MATERIALS

A variety of different fill materials can be used. Most suitable are synthetic monofilaments.

The most commonly used fill materials are nylon (Novofil®) in various versions with and without abrasives as well as natural hair (e.g. horsehair) and pure plant fibres. Depending on the application, wire can also be used as fill material.



Should a customised size for the axle hole diameter be required, the body segment can be fitted with a reducing insert.

Synthetic bristles, non-abrasive bristles

- Nylon 6.0, Nylon 6.6, Nylon 6.10/12, PPN

Abrasive bristles

- SIC
- Ceramic
- Aluminum Oxide
- Diamond

Wires

- Steel wire
- Brass coated steel wire
- Stainless steel
- Brass

Vegetable fibers

- Tampico

Natural hair

- Horsehair

FILL ARRANGEMENTS FOR WHEEL, ROLLER AND MULTIZACK BRUSHES

There is a wide selection of fill arrangements to choose from.

The fill materials can also be arranged in an offset pattern.



Fill arranged with fields offset to one another.



Fields of bristles with different coloured fill material, offset to one another.



Fill arranged in a V-shape with a rising spiral from the centre to the left and right.



Full fill



Fill arranged in fields



Spiral fill running to the left



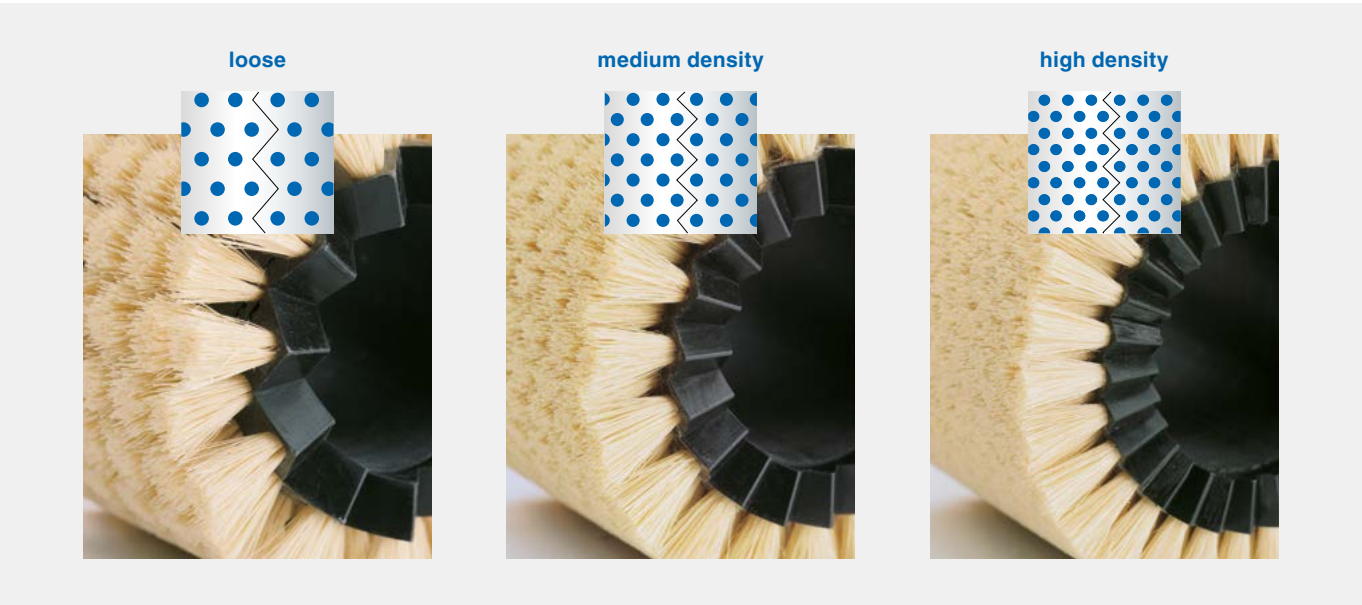
Spiral fill running to the right



Spiral fill running to the right and to the left

FILL DENSITY

We can provide three fill densities for each body diameter as standard: Loose, medium density and high density.



TECHNICAL DATA

Designation	Outer Ø max.	Body Ø	Bore	Teeth	Rows	Fill density
MZ 31 06 81	231	31	20	6	12	loose
MZ 31 08 60	231	31	20	8	16	medium density
MZ 31 10 48	231	31	20	10	20	high density
MZ 45 08 88	245	45	25	8	16	loose
MZ 45 12 59	245	45	25	12	24	medium density
MZ 45 16 44	245	45	25	16	32	high density
MZ 57 10 89	257	57	35	10	20	loose
MZ 57 15 60	257	57	35	15	30	medium density
MZ 57 18 50	257	57	35	18	36	high density
MZ 65 12 85	265	65	40	12	24	loose
MZ 65 17 60	265	65	40	17	34	medium density
MZ 65 20 50	265	65	40	20	40	high density
MZ 86 12 112	286	86	60	12	24	loose
MZ 86 20 67	286	86	60	20	40	medium density
MZ 86 30 45	286	86	60	30	60	high density
MZ 100 14 112	300	100	75	14	28	loose
MZ 100 18 87	300	100	75	18	36	medium density
MZ 100 22 71	300	100	75	22	44	high density
MZ 125 18 110	325	125	100	18	36	loose
MZ 125 24 82	325	125	100	24	48	medium density
MZ 125 28 70	325	125	100	28	56	high density

REQUEST AN OFFER

If you wish to provide us with the parameters for your application, we would be more than happy to send you an offer for a MultiZack® brush

Simply download our request form, fill it in and send it off.

Download request form:

www.t1p.de/d4e5

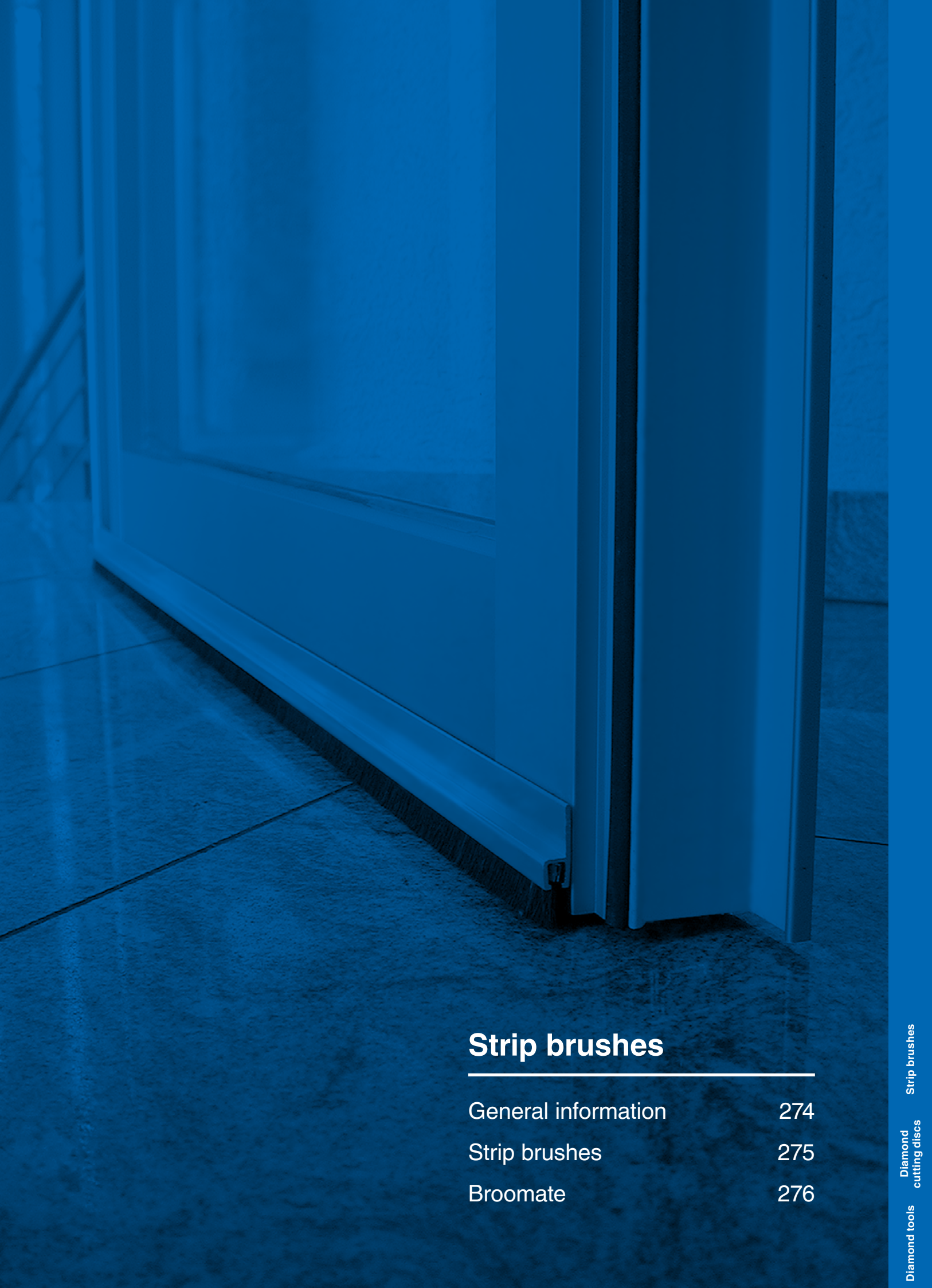
Note: Are you not really sure which configuration is the best choice for your application? No problem. Our application engineers will be happy to advise you.

service@osborn.de

BENEFITS OVERVIEW:



- Simple and fast mounting by the operator
- Easy replacement of individual brush segments if they become worn
- Disposable system – the brush shaft can be reused
- Various brush diameters and working widths available
- Standard spindle hole diameters can be modified by inserting adapters
- Multiple segments can be mounted on a single shaft
- Teeth positively lock the segments to the shaft and the bodies are secured with an adjusting ring
- A variety of different fill materials can be used
- Different fill patterns (also with fields of bristles offset to each other)
- Three different fill densities with full cover
- Space-saving storage and favourable transport costs achieved through delivery of individual segments
- No separate packaging is required
- The MultiZack® body has high shape stability and temperature resistance due to the use of glass fibre reinforced plastic
- Homogeneous and closed fill surface without gaps forming between the individual segments



Strip brushes

General information	274
Strip brushes	275
Broomate	276

STRIP BRUSHES

General information

Strip brushes – versatile all-rounders

Strip brushes and aluminium retaining rails

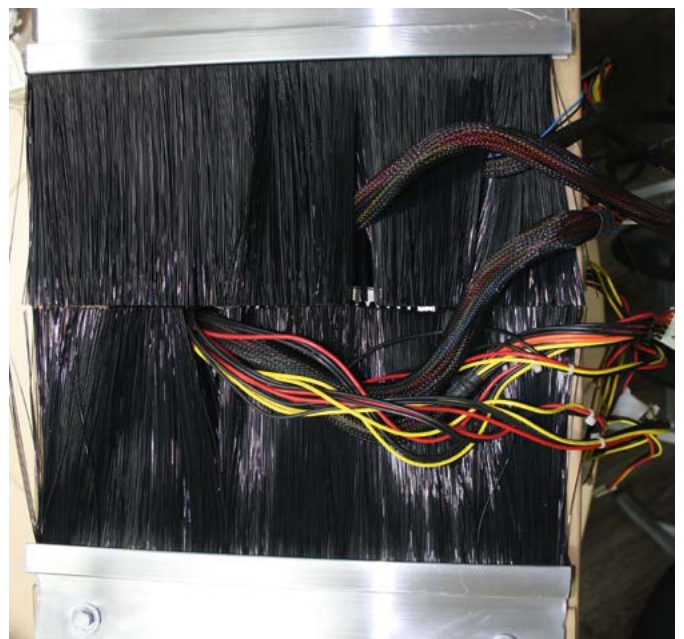
Find the perfect solution for your individual application with the strip brushes from Osborn.

Typical applications include:

- Sealing
- Guiding
- Positioning
- Transporting
- Protecting and shielding
- Skirting and plugging of gaps (such as cable feed-throughs)
- Wiping and stripping

Our standard range includes brushes with nylon (PA6) bristles and galvanised steel mountings. **They are available in standard lengths of 3000 mm**, as single units or with aluminium retaining rails with an h (180°) or F (90°) profile. The aluminium retaining rails meet the highest of standards as regards optics and stability.

Custom lengths, profiles and variants are also available provided they satisfy our minimum order requirements.



Brushes with horse hair filament

Also available in our standard range are strip brushes with high-grade, pure horse hair filament.

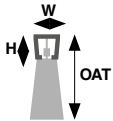
Strip brushes from Osborn with horse hair filament represent effective sealing for any kinds of doors, gates and windows on buildings because they provide protection from cold, draughts, insects, dust and noise.

A positive side effect is effective saving of energy because the durable, UV-resistant horse hair filament ensures optimal thermal insulation. **They are available in standard lengths of 1000 and 2000 mm**, including the 180° aluminium retaining rails.





Appearance can vary from picture depending on variant.



Retaining rails:



90° F profile



180° h profile

Strip brushes with nylon filament

Superior ★★★★★

Strip brushes including aluminium retaining rails, h profile 180° / F profile 90° with PA6 straight, black for innovative brush-based solutions and diverse applications in all sectors of industry.

Available in lengths of 1000 mm, 2000 mm and 3000 mm.
Also available as other custom lengths in high volumes.

Type A strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
15	3000	2.5	2.7	0.15	0904-905 822

Type B strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
19	3000	4	3.7	0.15	0924-905 822
45	3000	4	3.7	0.15	0904-905 825

Type E strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
25	3000	5.1	6.3	0.20	0924-905 823
32	3000	5.1	6.3	0.20	0904-905 824
45	3000	5.1	6.3	0.20	0914-905 825

Type K strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
50	3000	6.6	7.5	0.20	0924-905 825
75	3000	6.6	7.5	0.30	0904-905 837

Type F strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
60	3000	7.8	8.7	0.50	0904-905 856
75	3000	7.8	8.7	0.30	0904-905 847
115	3000	7.8	8.7	0.50	0904-905 859
60	3000	7.8	8.7	0.90	0904-905 896

Type L strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
230	3000	11.4	12.5	0.90	0904-905 899
150	3000	11.4	12.5	0.60	0904-905 869

Type A retaining rail:

Profile	GH	PW	PH	Order no.
180°	13.5	4.4	4	0114-906 000
90°	14	5.2	5.7	0214-906 000

Type B retaining rail:

Profile	GH	PW	PH	Order no.
180°	15	7.3	7	0124-906 000
90°	16	7.3	7	0224-906 000

Type E retaining rail:

Profile	GH	PW	PH	Order no.
180°	27	8.2	10	0144-906 000
90°	27	9	10	0244-906 000

Type K retaining rail:

Profile	GH	PW	PH	Order no.
180°	30	10	12	0154-906 000
90°	37	12	12	0254-906 000

Type F retaining rail:

Profile	GH	PW	PH	Order no.
180°	33	12	13	0164-906 000
90°	41	13	14	0264-906 000

Type L retaining rail:

Profile	GH	PW	PH	Order no.
180°	68	18	17	0174-906 000
90°	62	17	18	0274-906 000

STRIP BRUSHES

Strip brushes



Appearance can vary from picture depending on variant.

Strip brushes with horse hair filament

Superior ★★★★★☆

Strip brushes including aluminium retaining rail, h profile 180°, with horse hair filament for the perfect sealing of doors, gates and windows.

T	L	GH	PU	Order no.
15	1000	40	10	0004-906 962
15	2000	40	10	0034-906 962
25	1000	50	10	0004-906 963
25	2000	50	10	0034-906 963
35	1000	60	10	0004-906 954
35	2000	60	10	0034-906 954
45	1000	70	10	0004-906 955

Strip brush mounting 5x5 mm, galvanised steel

Broomate



Broomate®

At production facilities, there are a lot of areas that need to be cleaned continually. Osborn has developed a sweep solution that meets this need - that is simple, professional and affordable. Our broom is made of high quality strip brushes that are inserted under a galvanized steel hood having a thickness of 5 mm.

The Osborn Broomate® can be attached to a whole range of industrial vehicles and cleans up all kinds of dirt, including liquids. There are no rotating or electrical parts. Just attach the broom to your vehicle - done!

For further information:

Scan the QR code and watch the product video or download the entire brochure.



www.broomate.com

Maintenance-free

- Simple and affordable cleaning solution
- No hydraulics, no motor, no rotating or electrical parts
- Easy to clean with water or high-pressure washer

Sturdy

- 5 mm galvanized steel hood, fork shoes and protective side plates

Diverse attachment options

- The large selection of optional adapters enables it to be attached quickly and easily to virtually any vehicle deployed in industry and agriculture.

Long service life

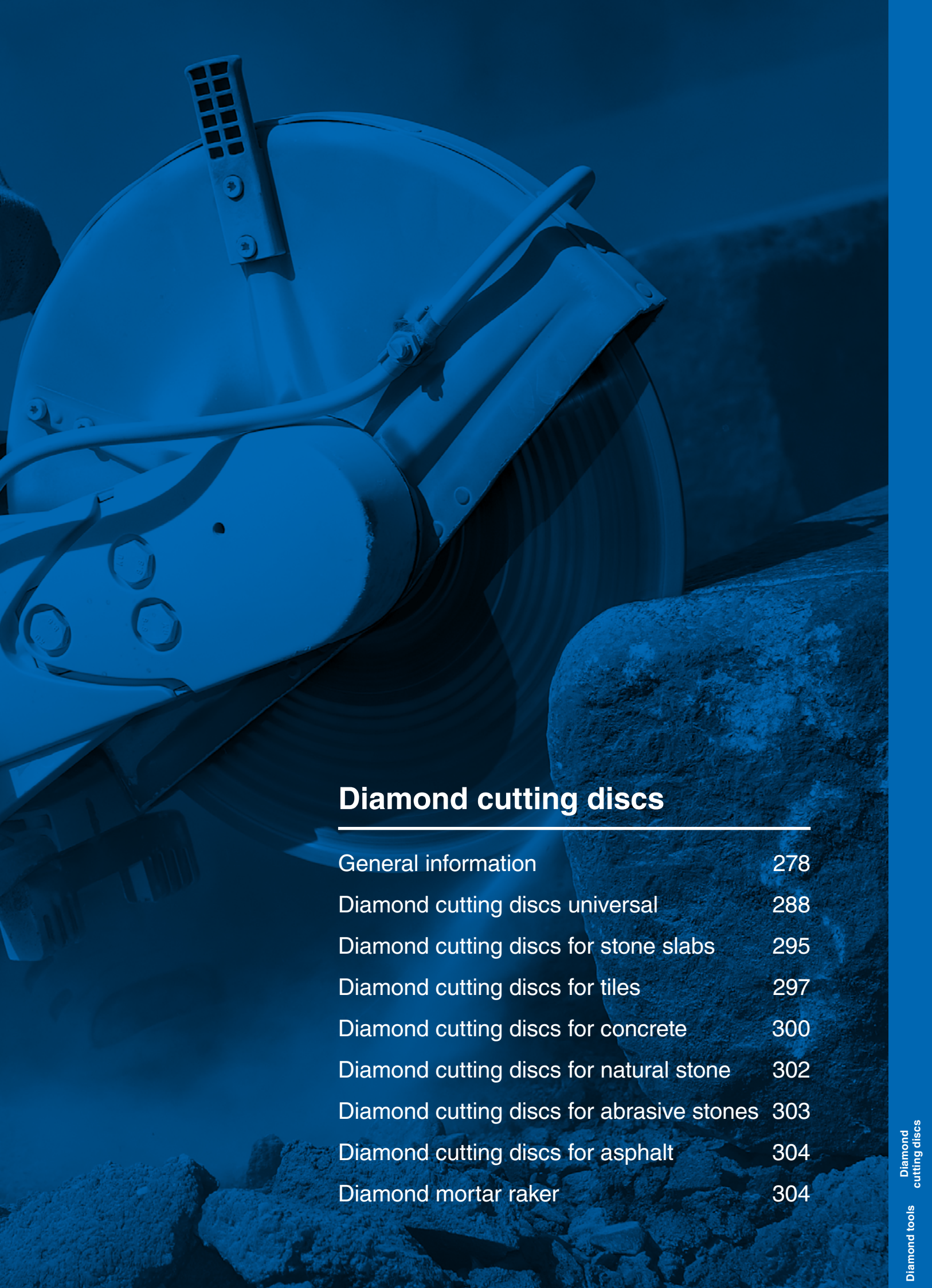
- Strip brushes can be used for up to 1000 kilometres.

Environmentally-friendly

- All parts can be recycled
- Motor oil and electric power are not required

Simple to exchange

- The brush strips can be replaced in an instant
- Simply open the lock, pull out the old strips, push in the new strips and close the lock



Diamond cutting discs

General information	278
Diamond cutting discs universal	288
Diamond cutting discs for stone slabs	295
Diamond cutting discs for tiles	297
Diamond cutting discs for concrete	300
Diamond cutting discs for natural stone	302
Diamond cutting discs for abrasive stones	303
Diamond cutting discs for asphalt	304
Diamond mortar raker	304

DIAMOND CUTTING DISCS

General information

General information

TESTED SAFETY

When it comes to safety and quality, Osborn diamond cutting discs are produced and tested in accordance with the latest standards, regulations and norms. They meet the requirements of European safety standard EN 13 236. A majority of the products also fulfil the highest safety requirements of the oSa.

CLEAR PRODUCT LABELLING

The following specifications provide you with an overview of the labelling on our products.

DISC SPECIFICATIONS

Safety information

-  Observe the safety instructions of the machine manufacturer
-  Use safety goggles
-  Use hearing protection equipment
-  Wear dust mask
-  Wear gloves
-  May not be used for grinding
-  Do not use product if damaged

Quality line

Dimension:
Outer diameter, diameter of the bore, max. circumferential speed, max. speed

Indicates special additional features

Standards

Our products meet the highest safety requirements and standards: EN 13 236 – diamond cutting discs oSa – Organization for the Safety of Abrasives



Type designation

In the case of diamond cutting discs, consists of the purpose and the performance class (3 / 4 / 5 / 7), e.g. **U5**

- U** – Universal
- S** – Stone slabs
- F** – Tiles or fine stoneware
- B** – Concrete
- G** – Granite and hard stone
- A** – Abrasive stone or asphalt
- AM** – Mortar joints

Field of application

THE RIGHT TOOL FOR EVERY TASK



DIAMOND CUTTING DISCS

General information

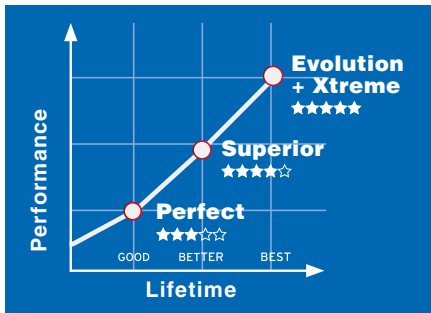
A STRONG PRODUCT IN A STRONG PACKAGE

Packaging that offers more

We think that a top product deserves packaging to match. That's why DRONCO's products have sophisticated, eye-catching packaging that uses visual and tactile features to inform and impress your customers. The outstanding quality of the products and high-quality way our brand is presented enhance your image as a premium retailer. Self-explanatory packaging helps you advise your customers and promotes sales.



QUALITY LINES FOR EVERY REQUIREMENT



Three quality lines that follow the good-better-best principle

From solid craftsman's quality up to top-class, high-performance tools for intensive industrial use. We offer you just the right tool for every requirement.

All of our products conform to the relevant standards, achieve a high specific cutting performance and guarantee maximum safety.

★★★★★ Evolution / Xtreme

High-power tools with outstanding performance. For intensive professional use that subjects the tool to the highest quality requirements. Evolution products guarantee maximum removal rates and an outstanding service life. You'll recognise the Evolution Line and Xtreme Line by its label with five stars.



★★★★☆ Superior

Premium tools for professional users. Effective, durable and cost-effective. Impresses during daily use thanks to its high removal rates and long service life. You'll recognise the Superior Line by its label with four stars.



★★★☆☆ Perfect

The cutting disc range for craftspeople who focus on quality and semi-pro users. Good service life and a good cutting rate at an attractive price.

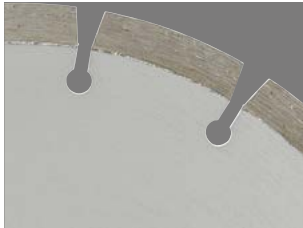


DIAMOND CUTTING DISCS

General information

CORE GEOMETRY

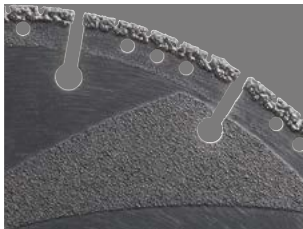
Core shapes



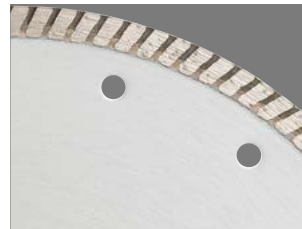
- Normal segmentation (C3)**
- Narrow slots with slot holes
 - Good heat resistance
 - Good material removal



- Continuous cutting rim (GRF)**
- Smooth running
 - Clean cut edges



- Normal segmentation (C3), diamond brazed**
- Narrow slots with slot holes
 - Segments are coated with diamonds during vacuum-brazing process
 - Good material removal



- Continuous turbo cutting rim**
- Continuous cutting rim
 - Smooth running
 - Clean, break-out free cut



- Turbo segmentation (C3)**
- Narrow slots with slot holes
 - Fast, aggressive cutting
 - Longer service life



- Wide segmentation (C1)**
- Wide segmentation
 - Broad slots
 - Good material discharge (self-cleaning)



- Speed segmentation (C3)**
- Narrow segmentation
 - Narrow slots with slot holes
 - Fast, aggressive cutting
 - Longer service life, no cooling breaks
 - Also cuts metals



- Core guard segments (C1s)**
- Broad slots
 - Good material discharge
 - Oblique guard segments protect core against wear and premature loss of segments

For significantly reduced vibrations and noise

Special sandwich steel cores are used for our 'protect' discs and noticeably reduce vibrations and noise during cutting work.



DISC STRUCTURE

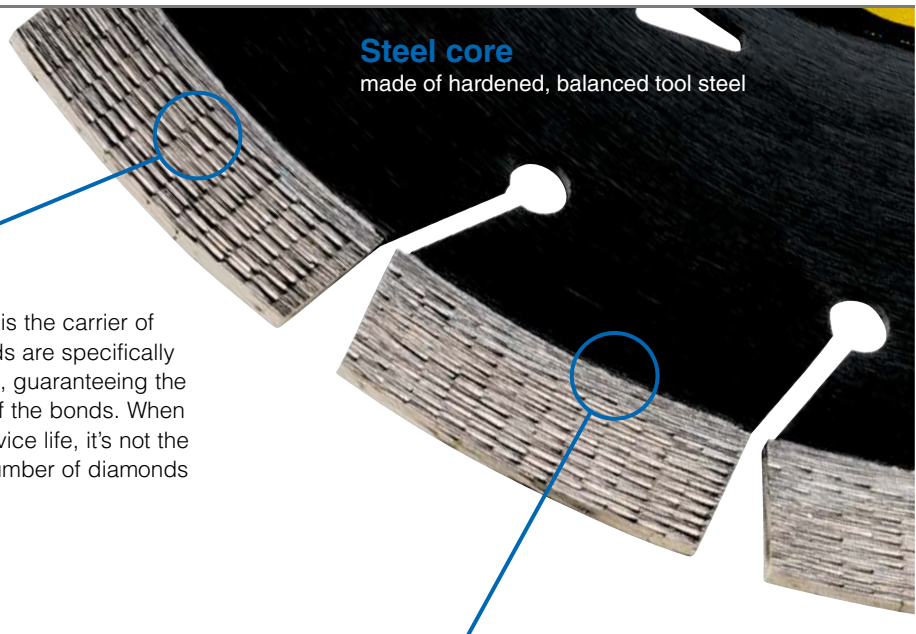
Diamond segment

The right bond for every purpose

The bond between the individual segments is the carrier of the synthetic diamonds. The high-tech bonds are specifically tailored to the respective field of application, guaranteeing the best possible results and optimal wearing of the bonds. When it comes to the disc's cutting ability and service life, it's not the highest concentration but rather the right number of diamonds and composition of the bond:

Hard material – Soft bond

Soft material – Hard bond



Steel core

made of hardened, balanced tool steel

Segment bond

Connects the core and the segment

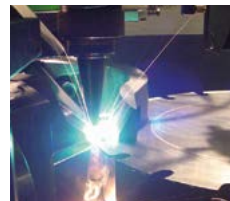
Diamond segments are permanently joined to the core via two methods:

Laser welding method

The diamond segments are permanently welded to the core in this case. This method ensures the highest possible safety during work, as the loss of segments can be almost completely excluded.

Sintering method

This process applies high pressure and heat to sinter the diamond segments and simultaneously join them to the core.



Poor – Bond is subjected to excessive wear



The diamonds separate prematurely, resulting in a shortened service life.

Poor – Bond is insufficiently worn



The diamonds are polished or broken off at the bond level. New diamonds are not released and the disc becomes dull.

Perfect – Bond is worn to an ideal extent



The diamonds are released evenly. The disc retains its cutting ability and has an ideal service life. The trail of the bond provides the diamonds with ideal protection and ensures optimal cutting ability.

Dry cutting discs

Osborn diamond cutting discs for dry cutting can be used for wet cutting as well without any issues.



Wet cutting blades

Osborn diamond cutting discs for wet cutting may only be used on water-cooled equipment!



DIAMOND CUTTING DISCS

General information

For a better overview: the colour-coding system

FIND THE RIGHT CUTTING DISC IN NO TIME

A colour-coded system with six colours organises the cutting disc packaging according to specific groups of materials. An illustration also indicates the materials for which our cutting discs are suitable. This helps you and your customers make the right choice.

The detailed application table on page 286 helps you make a more precise choice as to which diamond cutting disc is most suitable for your application.

Universal

Yellow



Concrete

Green



Tiles/Stoneware

Turquoise



When should you use a continuous cutting rim?

If you want to cut materials that require a clean cut surface (e.g. tiles, glazed bricks, fine stoneware), we recommend that you use one of our following discs: S3 turbo, S5 turbo, S5 turbo protect, F3, F4 cera or F5 ceraspeed.

The continuous cutting rim prevents material from chipping, helping you achieve a perfect cutting finish. Discs with a continuous cutting rim should only be used up to a cutting depth of 2 cm when dry cutting.

Do you normally cut the same or different types of materials?

Same materials:

We recommend using the following types of discs: A4, B4, B5 and G4.

Different types of materials:

If your applications involve various materials, we recommend using the following disc types: U3, U4, U4 speed, U4 protect, DB4, U5 speed, U5 protect and U7 speed.

Stone slabs

Orange



Granite/Hard stone

Grey



Abrasive stone

Red



DIAMOND CUTTING DISCS

General information

APPLICATION TABLE DIAMOND CUTTING DISCS

	Page	Asphalt	Basalt	Reinforced steel mesh	Concrete	Concrete, reinforced	Concrete roofing tiles	Composite concrete paving, for driving	Cotto plates	Ductile and cast pipes	Screed, floor pavement, plaster	Eternit	Fine stoneware, Quarry tiles	Refractory bricks	Wall and floor tiles	Green concrete (up to 24 hrs.)
●●● extremely suitable																
●● very suitable																
● suitable																
◐ limited suitable																
UNIVERSAL / CONSTRUCTION SITE MATERIALS																
U3 Perfect	288				●		●									
U4 Superior	289		●		●●	●	●	●	●		●					
U4 speed Superior	290		●●	●●	●●	●●	●●	●●	●●	●	●	●●				
DB4 Superior	290		●●	●●	●●	●●	●●	●●	●●	●●	●	●●				
U4 protect Superior	291		●●	●●	●●	●●	●●	●●	●●		●	●●				
U5 speed Evolution	292	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●●		
U5 protect Evolution	293	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●		
U7 speed Xtreme	294	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●●		
STONE SLABS / ROOFING TILES																
S3 turbo Perfect	295				●		●●		●				◐		●	
S5 turbo Evolution	295				●●		●●●		●●●				●	◐	●	
S5 turbo protect Evolution	296				●●		●●●		●●●				●	◐	●	
TILES / STONEWARE																
F3 Perfect	297								●						●●	
F4 cera Superior	298				●		●		●●●				●●●		●●●	
F5 cera speed Evolution	299				●		●		●●●				●●●		●●●	
CONCRETE																
B4 Superior	300				●●	●●	●●	●●	●		●	●●				
B5 Evolution	301	◐	●●		●●●	●●●	●●●	●●●	●●●		●	●●●		●		
GRANITE / HARD STONE / NATURAL STONE																
G4 Superior	302		●●●		●		●		●●					●		
ABRASIVE STONES / ASPHALT / MORTAR																
A4 Superior	303	●●●					●				●●●	●		◐		●●
A4 Asphalt Superior	304	●●●					●				●●●	●		◐		●●
A4 M Superior	304				●						●●	●				

	Porous concrete (Ytong)	Gneiss	Granite	Cast iron up to 5-mm	Sand-lime brick	Limestone	Clinker, Engineering bricks	Marble	Paving bricks	Porphyry	Sandstone	Slate	Steels up to 3.5-mm	Terrazzo	Exposed aggregate concrete	Bricks
UNIVERSAL / CONSTRUCTION SITE MATERIALS																
U3 Perfect	•				•	•					•			•	•	•
U4 Superior	•	•	•		•	•				•	•	•		•	••	••
U4 speed Superior	•	•	•		•	•	•		•	•	•	•	•	•	••	••
DB4 Superior	•	•	•	•	•	•	•	•	•	•	•	•	••	•	••	••
U4 protect Superior	•	•	•		•	•	•		•	•	•	•	•	•	••	••
U5 speed Evolution	••	••	••		••	••	•••	•	•••	••	•	•	••	•••	•••	•••
U5 protect Evolution	••	••	••		••	••	•••	•	•••	••	•	•	••	•••	•••	•••
U7 speed Xtreme	••	••	••		••	••	•••	•	•••	••	•	•		•••	•••	•••
STONE SLABS / ROOFING TILES																
S3 turbo Perfect		•	•		•	•	•	•		•	•	•		•	•	•
S5 turbo Evolution		••	••		•	•	•	•		•	•	•		••	•	••
S5 turbo protect Evolution		••	••		•	•	•	•		•	•	•		••	•	••
TILES / STONEWARE																
F3 Perfect																
F4 cera Superior		•	•							•				•		
F5 cera speed Evolution		••	••							•				••		
CONCRETE																
B4 Superior	•					•	•		•					••	••	••
B5 Evolution	••	•	•		••	••	••		••	••	•	••		•••	•••	•••
GRANITE / HARD STONE / NATURAL STONE																
G4 Superior		•••	•••		•	••	••	••	•	••	•	••		••	•	
ABRASIVE STONES / ASPHALT																
A4 Superior	••				•••						•••					••
A4 Asphalt Superior	••				•••						•••					••
A4 M Superior	••				••						•					••

On which type of machine can the diamond discs be used?



Angle grinders
22.23 mm bore



Table saws
25.4 mm or 30 mm bore



Petrol saws
20 mm or 22.23 mm
or 25.4 mm bore

You'll find this information in the detailed description provided for each type of disc on the following pages.

DIAMOND CUTTING DISCS

Diamond cutting discs universal



U3

Perfect ★★☆☆☆

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Sintered, segmented diamond cutting disc for use on construction site materials.

- For universal application with low to normal loads
- Good price-performance ratio
- Good cutting ability

Field of application: Dry or wet cutting. For construction site materials such as concrete, exposed aggregate concrete and bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	4113 810 102	042757
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	4123 810 102	042764
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	13	10	C3	1	4183 810 102	042771
230 x 2,5 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	4233 810 102	042788
300 x 3 x 20	12 x 7/64 x 3/4	6400	22	10	C3	1	4303 805 102	042795
300 x 3 x 22,23	12 x 7/64 x 7/8	6400	22	10	C3	1	4303 810 102	042801
300 x 3 x 25,4	12 x 7/64 x 1	6400	22	10	C3	1	4303 815 102	042818
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	20	10	C3	1	4353 815 102	042825



U4

Superior ★★★★★☆

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Laser-welded, segmented U4 diamond cutting disc for construction site materials. Maximum safety and very good cutting results at an attractive price.

- For universal application
- Good price-performance ratio
- High cutting speed
- Good service life

Field of application: Dry or wet cutting. For construction site materials such as concrete, exposed aggregate concrete, border stones, natural stone and bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	4114 185 102	042832
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	4124 185 102	042849
150 x 2,4 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	4154 185 102	042856
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	4184 185 102	042863
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	4234 185 102	042870
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	10	C3	1	4304 180 102	042887
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	16	10	C3	1	4304 182 102	042894
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	16	10	C3	1	4304 190 102	042900
300 x 2,8 x 30	12 x 7/64 x 1 1/5	6400	16	10	C3	1	4304 192 102	042917
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	19	10	C3	1	4354 180 102	042924
350 x 2,8 x 22,23	14 x 7/64 x 7/8	5500	19	10	C3	1	4354 185 102	042931
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	10	C3	1	4354 190 102	042948
350 x 2,8 x 30	14 x 7/64 x 1 1/5	5500	19	10	C3	1	4354 195 102	042955
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	10	C3	1	4404 190 102	042962
450 x 3,6 x 25,4	18 x 1/8 x 1	4250	32	10	C3	1	4454 190 102	042979
Bosch quick-mount X-LOCK								
115 x 2,2 x 22,23	4 1/2 x 3/32 x 7/8	13300	9	10	C3	1	4914 185 102	043631
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	10	C3	1	4924 185 102	043648



XLOCK

This item is also available with the X-LOCK adapter

DIAMOND CUTTING DISCS

Diamond cutting discs universal



U4 speed

Superior ★★★★★☆

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Fast-cutting, laser-welded all-purpose disc with broad range of applications. Special speed-slot segments enable a high cutting speed and good all-round characteristics at an attractive price.

- High cutting speed thanks to speed-slot segments
- Special punched core for smooth operation and optimal cooling
- Outstanding price-performance ratio
- No cooling breaks required

Field of application: Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, clinker, artificial and natural stone.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	4114 521 102	043044
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	4124 521 102	043051
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	4184 521 102	043068
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	15	10	C3	1	4234 521 102	043075
300 x 3 x 20	12 x 7/64 x 3/4	6400	20	10	C3	1	4304 521 102	043082
300 x 3 x 25,4	12 x 7/64 x 1	6400	20	10	C3	1	4304 525 102	043099
350 x 3 x 25,4	14 x 7/64 x 1	5500	23	10	C3	1	4354 525 102	043105



Suitable for battery-powered angle grinders
(Ø 115 / 125 mm)

DB 4 – all purpose

Superior ★★★★★☆

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Fast-cutting all-round product for wide range of universal applications on any construction site or for emergency operations. Core is coated directly with diamonds during a special vacuum process.

- For universal application with low to normal loads
- Good cutting ability

Field of application: Dry or wet cutting. For numerous materials such as: Artificial and natural stone, concrete, exposed aggregate concrete, concrete paving, clinker slabs, granite slabs, sand-lime brick, brick. Various metals, iron structures and iron profiles, cast iron, sheet metals, non-ferrous metals, ductile pipes, synthetic materials, glass, rubber, fibreglass, plastic, carbon fibre, wood, etc.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,8 x 22,23	4,5 x 7/64 x 7/8	13300	8	3	C3	1	4114 208 102	042214
125 x 2,8 x 22,23	5 x 7/64 x 7/8	12250	10	3	C3	1	4124 208 102	042221
180 x 3 x 22,23	7 x 7/64 x 7/8	8500	14	3	C3	1	4184 208 102	042238
230 x 3 x 22,23	9 x 7/64 x 7/8	6650	16	3	C3	1	4234 208 102	042245
300 x 3,4 x 20	12 x 1/8 x 3/4	6400	20	3	C3	1	4304 207 102	042252
350 x 3,4 x 20	14 x 1/8 x 3/4	5500	24	3	C3	1	4354 207 102	042269



U4 protect

Superior ★★★★★☆

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Laser-welded, all-purpose diamond cutting disc with sandwich core that noticeably reduces vibrations and noise.

- Ergonomic, low-vibration and low-noise* operation
- Outstanding cutting speed
- Very good service life thanks to 10-mm segment height
- An ideal combination of a high level of working comfort and good cutting performance in the middle price segment

Field of application: Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, clinker, artificial and natural stone.

Less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines

*Dimension of 230 mm: -8 db(A) under load compared to the U4 diamond cutting disc.



Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	4114 234 102	042986
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	4124 234 102	042993
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	10	C3	1	4234 234 102	043006
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	20	10	C3	1	4304 232 102	043013
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	20	10	C3	1	4304 234 102	043020
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	20	10	C3	1	4304 236 102	043037

DIAMOND CUTTING DISCS

Diamond cutting discs universal



U5 speed

Evolution ★★★★★

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Our best-seller: a laser-welded, all-round cutting disc with speed segments for a fast cut and clean edges. Very good all-purpose characteristics, outstanding service life. For universal application, ranging from soft, abrasive stones to hard/natural stone. Ideal for intensive professional use.

- Top-class, all-round product
- High-performance diamonds for exceptional service life
- Outstanding service life
- Aggressive, laser-welded turbo segments
- 12 to 15-mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	8	12	C3	1	4115 386 102	043167
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	12	C3	1	4125 386 102	043174
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	12	12	C3	1	4185 386 102	043181
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	15	C3	1	4235 386 102	043198
300 x 3,2 x 20	12 x 7/64 x 3/4	6400	21	15	C3	1	4305 657 102	043204
300 x 3,2 x 25,4	12 x 7/64 x 1	6400	21	15	C3	1	4305 667 102	043211
350 x 3,2 x 20	14 x 7/64 x 3/4	5500	25	15	C3	1	4355 657 102	043228
350 x 3,2 x 22,23	14 x 7/64 x 7/8	5500	25	15	C3	1	4355 662 102	043235
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	25	15	C3	1	4355 667 102	043242



U5 protect

Evolution ★★★★★

UNIVERSAL
CONSTRUCTION SITE MATERIALS

Laser-welded, all-round disc with a special precision core with a sandwich design that noticeably reduces vibrations and noise.

The segments are made of high-performance diamonds and a bond that is designed for an extremely high cutting speed. Clean cutting behaviour and a very good service life are also key characteristics of this product.

- 50% less noise, noticeably reduced vibrations
- Top-class, all-round product
- High-performance diamonds for exceptional service life
- Excellent service life
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

50% less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines



Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	16	10	C3	1	4235 613 102	043112
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	20	12	C3	1	4305 603 102	043129
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	20	12	C3	1	4305 624 102	043136
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	24	12	C3	1	4355 603 102	043143
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	24	12	C3	1	4355 624 102	043150

Are you familiar with the latest regulations relating to the EU guidelines for protecting workers against noise and vibrations?

Thanks to the U5 protect, responsible employers can provide their staff with a tool that significantly reduces disruptive factors that pose a risk to health. A reduction in the noise level of minus 10 db(A) halves the volume. Thanks to an ingenious high-tech core, the U5 protect decreases the sound level by more than 50%. This also makes cutting operations much more comfortable in the area surrounding the construction site. A further bonus for the user is the noticeable reduction in vibration levels. Together, these two factors add up to an effective method of protecting the user's health – without any loss in performance.

DIAMOND CUTTING DISCS

Diamond cutting discs universal



U7 speed

Xtreme ★★★★★★

UNIVERSAL
CONSTRUCTION SITE MATERIALS

This laser-welded all-round disc is ultra-fast and indestructible, featuring special segments with diamonds arranged to guarantee outstanding cutting characteristics. Ideal for intensive professional use.

The U7 speed sets standards and combines all the features that a high-quality, all-round disc can offer:

- Very high cutting speed thanks to innovative segment technology with geometrically arranged high-performance diamonds
- Segments and bond structure are ideally tailored to the cutting speed and universal uses
- Outstanding service life with daily all-round use thanks to flat segments with a height of up to 15 mm alongside a compact volume, a high density of diamonds and optimised bond hardness
- Effortless cutting without physical exertion
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	12	C3	1	4117 135 102	043259
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	12	C3	1	4127 135 102	043266
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	12	12	C3	1	4187 135 102	043273
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	15	C3	1	4237 135 102	043280
300 x 3,2 x 20	12 x 7/64 x 3/4	6400	21	15	C3	1	4307 134 102	043297
300 x 3,2 x 25,4	12 x 7/64 x 1	6400	21	15	C3	1	4307 136 102	043303
350 x 3,2 x 20	14 x 7/64 x 3/4	5500	25	15	C3	1	4357 134 102	043310
350 x 3,2 x 22,23	14 x 7/64 x 7/8	5500	25	15	C3	1	4357 135 102	043327
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	25	15	C3	1	4357 136 102	043334





X-LOCK This item is also available
with the X-LOCK adapter

S3 turbo

Perfect ★★★★★

STONE SLABS

The cost-effective alternative for cutting stone slabs. Our proven, sintered diamond cutting disc for use on thin construction site materials. The cutting depth should not exceed 2 cm.

- Good cutting ability
- Continuous cutting rim for clean, breakout-free cut edges

Field of application: Dry or wet cutting. For stone slabs made of concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,1 x 22,23	4,5 x 5/64 x 7/8	13300	-	7	GR	1	4113 460 102	042634
125 x 2,1 x 22,23	5 x 5/64 x 7/8	12250	-	7	GR	1	4123 460 102	042641
180 x 2,6 x 22,23	7 x 7/64 x 7/8	8500	-	7	GR	1	4183 460 102	042658
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	7	GR	1	4233 460 102	042665
Bosch quick-mount X-LOCK								
115 x 2,1 x 22,23	4,5 x 5/64 x 7/8	13300	-	7	GR	1	4913 460 102	043679
125 x 2,1 x 22,23	5 x 5/64 x 7/8	12250	-	7	GR	1	4923 460 102	043686



S5 turbo

Evolution ★★★★★

STONE SLABS

The premium turbo disc from DRONCO. 9-mm castle segments and a smooth, perforated stainless steel core are this disc's key features. You don't have to worry about limitations to the cutting depth with this turbo disc. It's a true all-rounder on any construction site and is especially popular amongst roofers and garden and landscape specialists.

- Fast-cutting turbo disc for thicker stone slabs as well
- Exceptional service life
- Smooth running
- Clean, breakout-free edges
- Very good all-round characteristics

Field of application: Dry or wet cutting. For concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks, roofing tiles.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	-	9	GR	1	4115 441 102	042672
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	-	9	GR	1	4125 441 102	042689
180 x 2,5 x 22,23	7 x 3/32 x 7/8	8500	-	9	GR	1	4185 441 102	042696
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	9	GR	1	4235 441 102	042702

DIAMOND CUTTING DISCS

Diamond cutting discs for stone slabs



S5 turbo protect

Evolution ★★★★★

STONE SLABS

Highly ergonomic diamond cutting disc with sandwich core that noticeably reduces vibrations and noise. You don't have to worry about limitations to the cutting depth with this turbo disc. and is especially popular amongst roofers and garden and landscape specialists. Perfectly combination of a high level of working comfort, good cutting performance and an attractive price.

- Turbo disc for thicker stone slabs as well
- Ergonomic, low-vibration and low-noise* operation
- Outstanding cutting speed
- Very good service life
- Clean, breakout-free edges
- Laterally extended segments for good cutting clearance
- Waved core for optimal cooling
- Very good all-round characteristics

Field of application: Dry or wet cutting. For concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks, roofing tiles.

Less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines

*Dimension of 230 mm: -8 db(A) under load compared to the U4 diamond cutting disc.



Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	-	7	GR	1	4115 466 102	042719
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	-	7	GR	1	4125 466 102	042726
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	7	GR	1	4235 466 102	042733



F3

Perfect ★★★★★

WALL TILES

Proven thousands of times over: sintered diamond cutting disc with continuous cutting rim for breakout-free edges when cutting tiles.

- Good price-performance ratio
- Clean, breakout-free edges
- Good cutting performance during normal use

Field of application: Dry or wet cutting. For wall or floor tiles.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
100 x 1,8 x 16	4 x 5/64 x 5/8	15300	-	5	GR	1	4103 500 102	042276
110 x 1,9 x 22,23	4,5 x 5/64 x 7/8	13900	-	5	GR	1	4113 509 102	042283
115 x 1,9 x 22,23	4,5 x 5/64 x 7/8	13300	-	5	GR	1	4113 510 102	042290
125 x 1,9 x 22,23	5 x 5/64 x 7/8	12250	-	5	GR	1	4123 510 102	042306
150 x 2,1 x 22,23	6 x 5/64 x 7/8	10200	-	5	GR	1	4153 510 102	042313
150 x 2,1 x 25,4	6 x 5/64 x 1	10200	-	5	GR	1	4153 515 102	042320
180 x 2,3 x 22,23	7 x 3/32 x 7/8	8500	-	5	GR	1	4183 510 102	042337
180 x 2,3 x 25,4	7 x 3/32 x 1	8500	-	5	GR	1	4183 515 102	042344
200 x 2,4 x 22,23	8 x 3/32 x 7/8	7650	-	5	GR	1	4203 510 102	042351
200 x 2,5 x 25,4	8 x 3/32 x 1	7650	-	5	GR	1	4203 515 102	042368
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	-	5	GR	1	4233 510 102	042375
250 x 2,4 x 25,4	10 x 3/32 x 1	6150	-	5	GR	1	4253 515 102	042382

DIAMOND CUTTING DISCS

Diamond cutting discs for tiles



F4 cera

Superior ★★★★★

STONEWARE

The F4 cera is the undisputed favourite amongst tilers!

This thin, high-performance cutting disc with a turbo cutting rim is ideally suited for effortlessly cutting stoneware and quarry tiles. Also ideal for stone slabs of granite and other hard stones.

- Outstanding cutting speed
- Minimal physical effort required
- Clean, breakout-free edges
- Excellent service life

Field of application: Dry or wet cutting. For fine stoneware and high fired tiles. For natural stone slabs of marble, granite or terrazzo.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 1,4 x 22,23	4,5 x 1/8 x 7/8	13300	-	7,5	GR	1	4114 512 102	042399
125 x 1,4 x 22,23	5 x 1/8 x 7/8	12250	-	7,5	GR	1	4124 512 102	042405
150 x 2 x 25,4	6 x 5/64 x 1	10200	-	7,5	GR	1	4154 517 102	042412
180 x 2 x 22,23	7 x 5/64 x 7/8	8500	-	7,5	GR	1	4184 512 102	042429
180 x 2 x 25,4	7 x 5/64 x 1	8500	-	7,5	GR	1	4184 517 102	042436
200 x 2 x 22,23	8 x 5/64 x 7/8	7650	-	7,5	GR	1	4204 512 102	042443
200 x 2 x 25,4	8 x 5/64 x 1	7650	-	7,5	GR	1	4204 517 102	042450
230 x 2 x 22,23	9 x 5/64 x 7/8	6650	-	7,5	GR	1	4234 512 102	042467
250 x 2 x 25,4	10 x 5/64 x 1	6150	-	7,5	GR	1	4254 517 102	042474
300 x 2 x 25,4	12 x 5/64 x 1	6400	-	7,5	GR	1	4304 517 102	042481
300 x 2 x 30	12 x 5/64 x 1 1/5	6400	-	7,5	GR	1	4304 518 102	042498
350 x 2 x 25,4	14 x 5/64 x 1	5500	-	7,5	GR	1	4354 517 102	042504
350 x 2 x 30	14 x 5/64 x 1 1/5	5500	-	7,5	GR	1	4354 518 102	042511



Suitable for battery-powered angle grinders



This item is also available with the X-LOCK adapter

F5 cera speed

Evolution ★★★★★

STONEWARE

The tiler's favourite for the finest cuts.

The particularly thin disc and special geometry of the cutting edge enable an exceptional cutting speed along with comfortable, smooth working conditions. The 10-mm-high diamond segmentation ensures an optimal service life. This blade offers maximum safety thanks to the integrated flange around the bore.

- Thin 1.2-mm cutting rim with special geometry
- Clean, breakout-free edges
- Minimal loss of material
- Exceptionally fast cutting
- Ergonomic, smooth cutting
- Very good service life thanks to 10-mm segment height

Field of application: Dry or wet cutting. For stoneware and high fired tiles. For natural stone slabs of marble, granite or terrazzo.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 1,2 x 22,23	4,5 x 3/64 x 7/8	13300	-	10	GR	1	4115 514 102	042528
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	-	10	GR	1	4125 514 102	042535
Bosch quick-mount X-LOCK								
115 x 1,2 x 22,23	4,5 x 3/64 x 7/8	13300	-	10	GR	1	4915 514 102	043655
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	-	10	GR	1	4925 514 102	043662



XLOCK



DIAMOND CUTTING DISCS

Diamond cutting discs for concrete



B4

Superior ★★★★★

CONCRETE

Aggressive, laser-welded B4 diamond cutting disc for professional use on concrete and composite concrete paving. The particularly well-balanced segment bond guarantees it easy use on all types of concrete, including those with reinforcement.

- Easy use on all types of concrete
- High cutting speed
- Good service life
- 10-mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For bricks, reinforced concrete, composite concrete paving, concrete roofing tiles, exposed aggregate concrete, cotto slabs and terrazzo.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	9	10	C3	1	4114 110 102	041958
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	10	10	C3	1	4124 110 102	041965
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	4154 110 102	041972
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	4184 110 102	041989
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	4234 110 102	041996
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	10	C3	1	4304 105 102	042009
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	16	10	C3	1	4304 110 102	042016
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	16	10	C3	1	4304 115 102	042023
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	19	10	C3	1	4354 105 102	042030
350 x 2,8 x 22,23	14 x 7/64 x 7/8	5500	19	10	C3	1	4354 110 102	042047
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	10	C3	1	4354 115 102	042054
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	10	C3	1	4404 116 102	042061



B5

Evolution ★★★★★

CONCRETE

The laser-welded, segmented B5 diamond cutting disc is a top-class product developed especially for concrete that features aggressive, high-performance diamonds. Intended for intensive professional use.

- Easy use on all types of concrete
- Extremely fast cutting with minimal physical effort
- Very good service life
- 10-mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For bricks, reinforced concrete, composite concrete paving, concrete roofing tiles, exposed aggregate concrete, cotto slabs and terrazzo.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	4115 611 102	042078
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	4125 611 102	042085
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	10	10	C3	1	4155 611 102	042092
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	12	10	C3	1	4185 611 102	042108
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	15	12	C3	1	4235 611 102	042115
250 x 2,6 x 25,4	10 x 7/64 x 1	6150	18	12	C3	1	4255 616 102	042122
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	18	12	C3	1	4305 606 102	042139
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	18	12	C3	1	4305 616 102	042146
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	21	12	C3	1	4355 606 102	042153
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	21	12	C3	1	4355 616 102	042160
400 x 3,5 x 25,4	16 x 1/8 x 1	4780	28	12	C3	1	4405 616 102	042177
450 x 3,5 x 25,4	18 x 1/8 x 1	4250	32	12	C3	1	4455 616 102	042184
500 x 4 x 25,4	20 x 5/32 x 1	3800	36	12	C3	1	4505 616 102	042191
600 x 4 x 25,4	24 x 5/32 x 1	3170	42	12	C3	1	4605 616 102	042207

DIAMOND CUTTING DISCS

Diamond cutting discs for natural stone



G4

Superior ★★★★★

NATURAL STONE

High-performance, laser-welded diamond cutting disc for effortlessly cutting natural stones. The soft, easy-cutting disc is used for applications where extremely impact-resistant diamonds are required.

- Special cutting disc for hard stone/natural stone
- High cutting speed
- Long service life
- 10-mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For hard stone/natural stone such as granite, basalt, slate, terrazzo, clinker, gneiss and porphyry.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	4114 010 102	042542
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	4124 010 102	042559
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	4154 010 102	042566
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	4184 010 102	042573
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	15	12	C3	1	4234 010 102	042580
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	21	12	C3	1	4304 015 102	042597
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	25	12	C3	1	4354 005 102	042603
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	25	12	C3	1	4354 015 102	042610
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	12	C3	1	4404 015 102	042627



A4

Superior ★★★★★

ABRASIVE

High-performance, laser-welded diamond cutting disc for professional use on abrasive stone. This disc's wear-resistant bond is extremely suitable for abrasive materials.

- Special cutting disc for abrasive materials
- High cutting speed
- Long service life
- 10-mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For abrasive materials such as sand-lime brick, floor pavement, plaster, sandstone, aerated concrete, brick, and roofing tiles.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	7	C3	1	4114 215 102	041804
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	7	C3	1	4124 215 102	041811
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	7	C3	1	4234 215 102	041828
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	7	C3	1	4304 225 102	041835
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	7	C3	1	4354 227 102	041842

DIAMOND CUTTING DISCS

Diamond cutting discs for asphalt



A4 Asphalt

Superior ★★★★★☆

ASPHALT

High-performance, laser-welded diamond cutting disc for professional use on asphalt. Also suitable for green concrete (up to 24 hrs.), screed and abrasive, soft stone.

- Special cutting disc – designed for asphalt and abrasive materials
- High cutting speed
- Long service life
- 10 - 12 mm segment height
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. Also suitable for asphalt, green concrete (up to 24 hrs.), screed and abrasive, soft stone.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	18	10	C1S	1	4304 920 102	041859
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	18	10	C1S	1	4304 930 102	041866
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	21	10	C1S	1	4354 920 102	041873
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	21	10	C1S	1	4354 930 102	041880
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	24	10	C1S	1	4404 930 102	041897
450 x 3,8 x 25,4	18 x 9/64 x 1	4250	27	10	C1S	1	4454 930 102	041903
500 x 3,8 x 25,4	20 x 9/64 x 1	3800	30	10	C1S	1	4504 930 102	041910
600 x 3,8 x 25,4	24 x 9/64 x 1	3170	36	12	C1S	1	4604 930 102	041927

Diamond mortar raker



A4 M

Superior ★★★★★☆

MORTAR RAKER

High-performance, laser-welded diamond disc specially designed for rapidly removing old mortar residue from wall or screed joints.

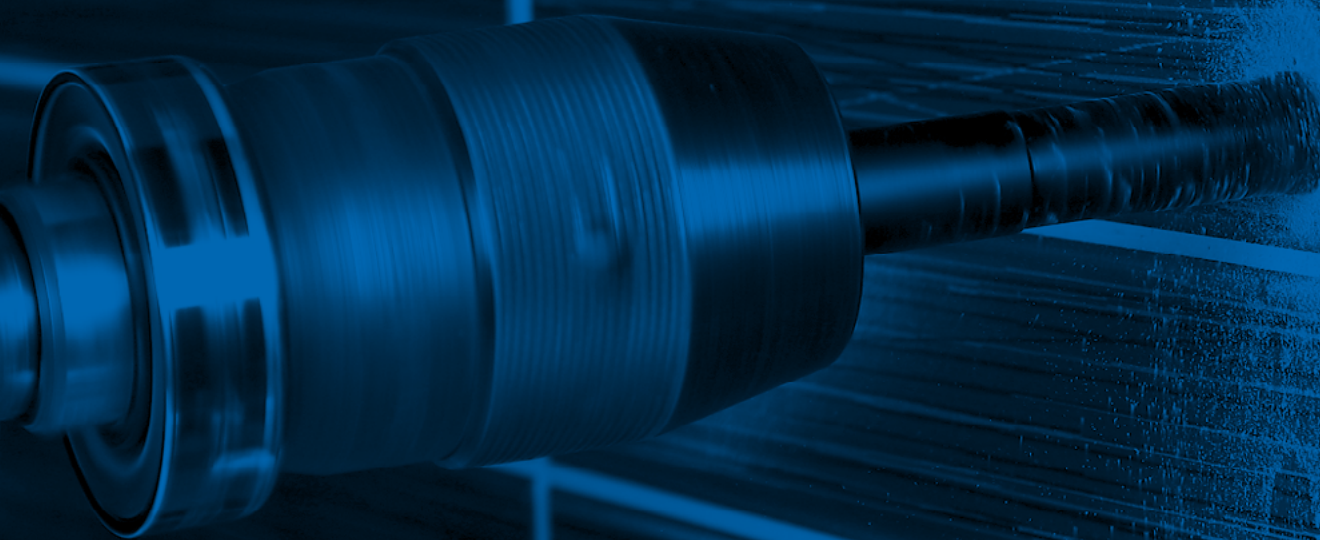
- Special cutting disc with 6.4-mm segment width
- High removal rate
- Good service life
- Laser welded – no cooling breaks required

Field of application: Dry or wet cutting. For screed or plaster, aerated concrete, sand-lime bricks, bricks.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 6,4 x 22,23	4,5 x 1/4 x 7/8	13300	9	7	C3	1	4114 464 102	041934
125 x 6,4 x 22,23	5 x 1/4 x 7/8	12250	10	7	C3	1	4124 464 102	041941

Diamond tools

Diamond tile drills for drilling machines	306
Diamond core bits	308
Diamond cup grinders	309



DIAMOND TOOLS

Diamond tile drills for drilling machines



CeraDrill for drilling machines

Evolution ★★★★★

DRONCO CeraDrill is an innovative, particularly powerful drill with a vacuum-brazed diamond coating for maximum drilling performance. It is used where conventional carbide and diamond tile drills reach their limits.

The CeraDrill bit comes with an integrated cooling liquid that is released during drilling. This makes cooling with water and the inconveniences that come with it unnecessary. CeraDrill bits make your work cleaner and easier.

- Vacuum-brazed diamond coating
- Integrated cooling liquid
- Simple and clean to work with
- No water cooling required

CERADRILL

Field of application: For tiles, quarry tiles, ceramic and stoneware.

Dimension Diameter x shaft diameter x length [mm]	PU	Item code	EAN 4081600
5 x 12 x 35	1	4000 601 100	400809
6 x 12 x 35	1	4000 602 100	400816
8 x 12 x 35	1	4000 604 100	400830
10 x 12 x 35	1	4000 605 100	400847
12 x 12 x 35	1	4000 606 100	400854
14 x 12 x 35	1	4000 607 100	400861
Separate drilling aid	1	4001 100 100	400939

Safety tip

Not suitable for natural stone - the integrated cooling liquid can leave spots on the material.



The tip of the drill bit is coated with diamonds during the vacuum brazing process.



CeraDrill set for drilling machines

Evolution ★★★★★

Complete set with five CeraDrill bits, drilling aid and drilling core cleaner in an aluminium case. The perfect set for all floor tilers, plumbers and drywall builders.

Field of application: For tiles, quarry tiles, ceramic and stoneware.

CERADRILL

Dimension	PU	Item code	EAN 4081600
Ø 5, 6, 8, 10, 12 mm	1	4000 600 100	400496

Here's how it works:

- Remove the protective cap
- Start drilling the hole at a slant, then move to straight
- Use the drilling aid for vertical drilling
- Take a break from drilling to remove drilling dust
- Make slightly circular movements as you drill
- Let the drill bit cool after drilling each hole
- After drilling a hole, push the drilling core through the centre of the drill so that the opening remains clean
- Put the protective cap back on



DIAMOND TOOLS

Diamond core bits



BKT concrete

Evolution ★★★★★

Laser-welded core drill with outstanding service life and high level of efficiency. Innovative bonding of high-quality segments makes it suitable for all applications. The solution for dry drilling recesses for wall sockets and light switches (68 mm) or distribution boxes (82 mm).

- Outstanding service life
- High degree of efficiency
- 62 mm drilling depth
- Adapter in core drill = M16

Field of application: For dry drilling in concrete (including slightly reinforced), clinker, brick.

Designation	PU	Item code	EAN 4081600
Core bit, Ø 68 mm	1	4000 368 100	400137
Core bit, Ø 82 mm	1	4000 382 100	400236
Centre bit	1	4000 478 100	400304
6-point connection	1	4000 568 100	400359
SDS connection	1	4000 668 100	400403
Complete SDS part, Ø 68 mm	1	4000 268 100	400120
Complete SDS part, Ø 82 mm	1	4000 282 100	400229



BKT abrasive stones

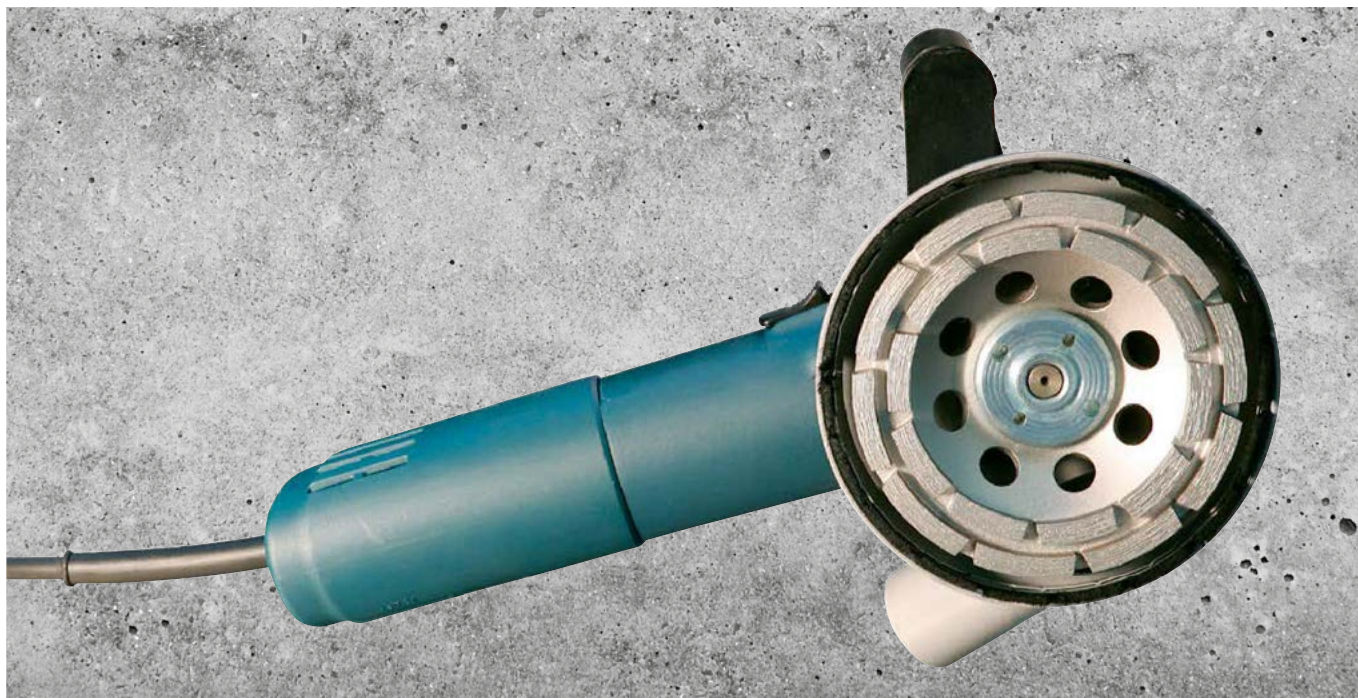
Evolution ★★★★★

Laser-welded core drill with very hard diamond segment bonding designed especially for abrasive materials. The solution for dry drilling recesses for wall sockets and light switches (68 mm) or distribution boxes (82 mm).

- Very good service life
- Rapid drilling progress
- 62 mm drilling depth
- Adapter in core drill = M16

Field of application: For dry drilling in sand-lime brick, sandstone, brick and masonry.

Designation	PU	Item code	EAN 4081600
Core bit, Ø 68 mm	1	4010 010 100	400519
Core bit, Ø 82 mm	1	4010 050 100	400502
Centre bit	1	4000 478 100	400304
6-point connection	1	4000 568 100	400359
SDS connection	1	4000 668 100	400403
Complete SDS part, Ø 68 mm	1	4000 269 100	400151
Complete SDS part, Ø 82 mm	1	4000 283 100	400168



Diamond cup grinders for use on grinding machines equipped with extraction systems and angle grinders with sufficient covers. These discs are the perfect tool for processing concrete and stone. Their removal rates and service life have been proven a million times over in practical use. Please see the application table below for the right tool for your needs.

Application table for diamond cup grinders

	DST Power	DST Plus	DST Turbo	DST Boomerang	DST Speed	DST Blue Speed
●●● extremely suitable ●● very suitable ● suitable						
Grinding uneven areas on floor pavement	●	●	●	●	●	●
Removing irregularities on concrete	●	●●	●●	●●	●●	●●
Removing concrete ridges after formwork has been removed	●	●●	●●	●●	●●	●●
Removing dried plaster residue	●	●●	●	●	●	●
Bevelling concrete and paving stones	●	●	●●	●	●	●
Bevelling granite and natural stones	●	●	●	●	●	●
Bevelling aerated concrete	●	●●	●●	●●	●	●
Removing thermoplastic protective coatings	●	●	●●	●●	●●	●●
Removing adhesive residue on concrete surfaces	●	●	●	●●	●●	●●
Removal rate	●	●●	●	●●	●●	●●●

Safety tip

When using diamond cup grinders, please always ensure that the discs do not project beyond the protective cover of the machine to avoid the risk of injuries!

User tip

Our DST Plus diamond cup grinders are also available in a height of 22 mm on request for use on special concrete grinders.

DIAMOND TOOLS

Diamond cup grinders



DST Power

Perfect ★★★★★

Versatile diamond cup grinder for sanding stone and screed floors as well as for removing concrete ridges and for stone masonry tasks.

- Good removal rates during normal use

Field of application: For all uses on concrete, natural stone, floor pavement, construction site materials.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	8	Single row	1	4116 033 102	043457
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Single row	1	4126 033 102	043464



DST Plus

Superior ★★★★★

Special diamond cup grinder for hard stone and abrasive materials. Choice of segments arranged in one or two rows makes this DRONCO cup grinder suitable for any purpose.

- High removal rates
- Removes significantly more material, handling is more ergonomic with double-rowed version

Field of application: For grinding concrete, natural stone, floor pavement, sand-lime brick, plaster, aerated concrete, green concrete

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	8	Single row	1	4116 032 102	043488
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	16	Double row	1	4116 037 102	043495
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Single row	1	4126 032 102	043501
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	14	Double row	1	4126 037 102	043518
180 x 18 x 22,23	7 x 45/64 x 7/8	8500	28	Double row	1	4186 037 102	043525



DST Turbo

Superior ★★★★★☆

Diamond cup grinder with turbo grinding rim for grinding concrete and natural stone more finely.

- High removal rates with a minimum of effort
- Finer grinding finish
- Very good service life

Field of application: For grinding floor pavement, sand-lime brick, plaster, aerated concrete, green concrete.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	–	Turbo	1	4116 041 102	043570
125 x 22,23	5 x 7/8	12250	–	Turbo	1	4126 041 102	043587



DST Boomerang

Superior ★★★★★☆

The powerful universal DST Boomerang diamond cup grinder for grinding concrete, abrasive stone and natural stone. The special geometry of the segments ensures clean grinding performance and effective dust removal.

- High removal rate
- Removing irregularities on concrete and concrete ridges
- Removing dried plaster residue
- Beveling concrete and paving stones, granite and natural stones
- Removing thermoplastic protective coatings
- Removing adhesive residue on concrete surfaces

Field of application: For grinding concrete, natural stone, floor pavement, sand-lime brick, plaster, aerated concrete and green concrete.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
122 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Boomerang	1	4126 021 102	043693

DIAMOND TOOLS

Diamond cup grinders



DST Speed

Evolution ★★★★★

The DST Speed diamond cup grinder is a powerful tool for all users who need to remove high quantities of material quickly. Welded segments with ideal geometry contain special diamonds in aggressive bond.

- 2.5 times higher removal rate*
- Segments with special diamonds in aggressive bond
- Also highly suitable for removing adhesive residue and thermoplastic coatings

Field of application: For concrete, floor pavement and natural stone.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	9	Radial	1	4116 042 102	043594
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	9	Radial	1	4126 042 102	043600

*The result: Removal rate in grams per minute increases by a factor of 2.5 (measured in comparison to double-rowed DST 56, on B 25 concrete)



DST BLUE Speed

Evolution ★★★★★

The powerful DST BLUE Speed diamond cup grinder offers the highest removal rates in the DRONCO DST product range. Its low net weight and the special geometry of the segments facilitate ergonomic working conditions that are easy on the user.

- Special diamonds in an aggressive bond
- Phenomenally high removal rates
- Rapid work progress
- Maximum working comfort

Field of application: For grinding concrete and natural stone as well as removing adhesive residue.

Ø in mm	Ø in inches	RPM min ⁻¹	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	8	T-segment	1	4116 064 102	043617
125 x 22,23	5 x 7/8	12250	8	T-segment	1	4126 064 102	043624



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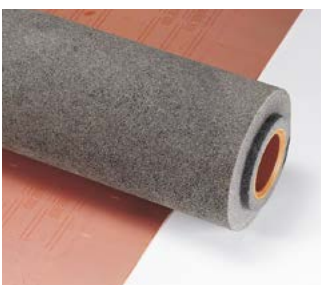
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Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0001-102 006	200	0002-502 141	135	0002-505 362	136	0002-511 161	175	0002-622 131	120	0002-892 215	238
0001-102 016	200	0002-502 141	157	0002-505 362	158	0002-512 061	122	0002-622 151	120	0002-892 220	197
0001-102 095	200	0002-502 142	135	0002-505 542	136	0002-512 062	122	0002-622 331	120	0002-892 220	238
0001-104 924	200	0002-502 142	157	0002-505 542	158	0002-512 161	122	0002-622 351	120	0002-892 225	197
0001-110 114	202	0002-502 143	135	0002-506 141	135	0002-512 162	122	0002-623 131	120	0002-892 225	238
0001-120 097	202	0002-502 143	157	0002-506 141	157	0002-512 342	122	0002-623 151	120	0002-892 230	197
0001-122 096	202	0002-502 332	136	0002-506 142	135	0002-512 361	122	0002-626 061	107	0002-892 230	238
0001-150 592	194	0002-502 332	158	0002-506 142	157	0002-512 362	122	0002-626 251	107	0002-911 941	139
0001-150 593	194	0002-502 333	136	0002-506 161	135	0002-514 161	122	0002-626 650	107	0002-911 951	139
0001-150 594	194	0002-502 333	158	0002-506 161	157	0002-514 361	122	0002-626 651	107	0002-921 874	108
0001-150 595	194	0002-502 341	136	0002-506 162	135	0002-522 141	175	0002-630 304	164	0002-921 875	108
0001-151 132	194	0002-502 341	158	0002-506 162	157	0002-522 161	175	0002-630 305	164	0002-930 821	143
0001-151 133	194	0002-502 342	136	0002-506 332	136	0002-522 341	175	0002-630 310	164	0002-930 902	147
0001-151 134	194	0002-502 342	158	0002-506 332	158	0002-522 361	175	0002-630 311	164	0002-930 907	147
0001-151 135	194	0002-502 343	136	0002-506 341	158	0002-532 161	175	0002-630 316	164	0002-930 912	147
0001-151 136	194	0002-502 343	158	0002-506 342	136	0002-532 361	175	0002-630 317	164	0003-000 001	204
0001-151 332	194	0002-502 542	136	0002-506 342	158	0002-544 141	175	0002-630 328	164	0003-000 024	204
0001-151 333	194	0002-502 542	158	0002-506 343	136	0002-544 161	175	0002-630 334	164	0003-000 100	154
0001-151 334	194	0002-503 142	135	0002-506 343	158	0002-544 341	175	0002-630 335	164	0003-000 130	154
0001-151 335	194	0002-503 142	157	0002-506 361	158	0002-544 361	175	0002-630 340	164	0003-000 222	129
0001-151 392	194	0002-503 143	135	0002-506 362	136	0002-554 161	175	0002-630 341	164	0003-000 222	189
0001-151 393	194	0002-503 143	157	0002-506 362	158	0002-554 361	175	0002-631 131	104	0003-000 223	129
0001-151 394	194	0002-503 331	136	0002-506 363	136	0002-566 141	175	0002-631 151	104	0003-000 223	189
0001-151 395	194	0002-503 331	158	0002-506 363	158	0002-566 161	175	0002-631 331	104	0003-000 242	129
0001-152 022	194	0002-503 332	136	0002-506 542	136	0002-566 361	175	0002-631 351	104	0003-000 242	189
0001-152 023	194	0002-503 332	158	0002-506 542	158	0002-576 141	175	0002-632 131	120	0003-000 243	129
0001-152 024	194	0002-503 333	136	0002-507 142	135	0002-576 145	181	0002-632 151	120	0003-000 243	189
0001-152 025	194	0002-503 333	158	0002-507 142	157	0002-576 161	175	0002-632 331	120	0003-000 244	129
0001-152 132	194	0002-503 341	136	0002-507 162	135	0002-576 195	181	0002-632 351	120	0003-000 244	189
0001-152 133	194	0002-503 341	158	0002-507 162	157	0002-576 341	175	0002-641 131	104	0003-056 306	232
0001-152 134	194	0002-503 342	136	0002-507 342	136	0002-576 345	181	0002-641 151	104	0003-056 308	232
0001-152 135	194	0002-503 342	158	0002-507 342	158	0002-576 395	181	0002-641 181	104	0003-056 310	232
0001-152 332	194	0002-503 343	136	0002-507 362	136	0002-576 906	182	0002-641 351	104	0003-056 326	232
0001-152 333	194	0002-503 343	158	0002-507 362	158	0002-576 916	182	0002-653 131	104	0003-056 328	232
0001-152 334	194	0002-503 542	136	0002-507 542	136	0002-587 161	175	0002-653 151	104	0003-056 330	232
0001-152 335	194	0002-503 542	158	0002-507 542	158	0002-587 162	179	0002-653 181	104	0003-056 400	231
0001-158 522	194	0002-504 141	135	0002-509 142	145	0002-587 341	175	0002-653 351	104	0003-056 403	231
0001-158 523	194	0002-504 141	157	0002-509 142	167	0002-608 131	110	0002-664 131	173	0003-056 406	231
0001-158 524	194	0002-504 142	135	0002-509 143	145	0002-608 133	111	0002-664 151	173	0003-056 409	231
0001-158 525	194	0002-504 142	157	0002-509 143	167	0002-608 134	111	0002-664 152	173	0003-056 412	231
0001-179 097	199	0002-504 143	135	0002-509 144	145	0002-608 135	111	0002-676 131	173	0003-056 415	231
0001-179 297	199	0002-504 143	157	0002-509 144	167	0002-608 151	110	0002-676 151	173	0003-056 418	231
0001-261 173	199	0002-504 161	135	0002-509 162	145	0002-608 153	111	0002-676 181	173	0003-056 425	231
0001-401 912	151	0002-504 161	157	0002-509 162	167	0002-608 154	111	0002-686 131	173	0003-056 427	231
0001-432 603	193	0002-504 162	135	0002-509 163	145	0002-608 155	111	0002-686 151	173	0003-056 428	231
0001-432 604	193	0002-504 162	157	0002-509 163	167	0002-608 183	111	0002-686 181	173	0003-056 429	231
0001-432 613	193	0002-504 163	135	0002-509 164	145	0002-608 184	111	0002-808 100	229	0003-056 432	231
0001-432 614	193	0002-504 163	157	0002-509 164	167	0002-608 185	111	0002-808 125	228	0003-056 435	231
0001-432 623	193	0002-504 332	136	0002-509 165	168	0002-608 331	110	0002-808 130	228	0003-056 436	231
0001-432 624	193	0002-504 332	158	0002-509 167	168	0002-608 333	111	0002-808 132	228	0003-056 438	231
0002-056 011	232	0002-504 341	136	0002-509 192	145	0002-608 334	111	0002-808 138	228	0003-056 441	231
0002-056 012	232	0002-504 341	158	0002-509 192	167	0002-608 351	110	0002-808 140	228	0003-056 442	231
0002-056 013	232	0002-504 342	136	0002-509 193	145	0002-608 353	111	0002-808 144	228	0003-056 444	231
0002-056 014	232	0002-504 342	158	0002-509 193	167	0002-608 354	111	0002-808 150	228	0003-056 447	231
0002-056 015	232	0002-504 343	136	0002-509 194	145	0002-611 131	104	0002-808 163	229	0003-056 450	231
0002-056 016	232	0002-504 343	158	0002-509 194	167	0002-611 151	104	0002-808 175	229	0003-075 064	189
0002-056 017	232	0002-504 361	136	0002-509 342	145	0002-613 141	113	0002-812 215	228	0003-075 065	189
0002-056 018	232	0002-504 361	158	0002-509 342	167	0002-613 142	113	0002-812 218	228	0003-075 066	189
0002-056 311	232	0002-504 362	136	0002-509 343	145	0002-613 143	114	0002-812 220	228	0003-075 067	189
0002-056 312	232	0002-504 362	158	0002-509 343	167	0002-613 144	114	0002-815 212	228	0003-075 068	189
0002-056 313	232	0002-504 542	136	0002-509 344	145	0002-613 161	113	0002-815 214	228	0003-075 069	189
0002-056 314	232	0002-504 542	158	0002-509 344	167	0002-613 162	113	0002-816 215	239	0003-075 070	189
0002-056 315	232	0002-505 141	135	0002-509 362	145	0002-613 163	114	0002-816 218	239	0003-075 071	189
0002-056 316	232	0002-505 141	157	0002-509 362	167	0002-613 164	114	0002-816 220	239	0003-075 073	189
0002-056 317	232	0002-505 142	135	0002-509 363	145	0002-613 165	114	0002-816 225	239	0003-075 252	197
0002-056 318	232	0002-505 142	157	0002-509 363	167	0002-613 166	114	0002-816 315	239	0003-075 252	240
0002-056 331	232	0002-505 161	135	0002-509 364	145	0002-613 193	114	0002-816 318	239	0003-075 253	197
0002-056 332	232	0002-505 161	157	0002-509 364	167	0002-613 194	114	0002-816 320	239	0003-075 253	240
0002-056 333	232	0002-505 162	135	0002-509 448	188	0002-613 195	114	0002-816 325	239	0003-075 254	197
0002-056 334	232	0002-505 162	157	0002-509 478	188	0002-613 196	114	0002-816 515	239	0003-075 254	240
0002-056 335	232	0002-505 332	136	0002-509 498	188	0002-613 361	113	0002-816 518	239	0003-075 255	197
0002-056 336	232	0002-505 332	158	0002-509 562	145	0002-613 362	113	0002-816 520	239	0003-075 255	240
0002-056 337	232	0002-505 341	136	0002-509 562	167	0002-613 363	114	0002-816 525	239	0003-080 039	256
0002-056 338	232	0002-505 341	158	0002-509 563	145	0002-613 364	114	0002-819 110	241	0003-080 043	256
0002-501 142	135	0002-505 342	136	0002-509 563	167	0002-613 365	114	0002-825 213	240	0003-080 051	256
0002-501 142	157	0002-505 342	158	0002-509 564	145	0002-621 131	104	0002-825 214	240	0003-080 054	256
0002-501 143	135	0002-505 361	136	0002-509 564	167	0002-621 151	104	0002-825 216	240	0003-080 054	259
0002-501 143	157	0002-505 361	158	0002-509 908	188	0002-621 351	104	0002-892 215	197	0003-080 055	258

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0003-080 058	257	0003-816 806	239	0013-080 040	256	0063-080 043	258	0103-075 230	190	0201-604916	248
0003-080 059	256	0003-816 808	239	0013-080 043	256	0063-080 050	257	0103-075 232	190	0202-611 131	134
0003-080 061	257	0003-816 810	239	0013-080 050	256	0063-080 065	257	0103-075 235	190	0202-611 131	156
0003-080 063	257	0003-816 812	239	0013-080 054	256	0063-080 070	256	0103-075 240	190	0202-611 151	134
0003-080 065	256	0003-816 815	239	0013-080 058	258	0063-404 020	162	0103-075 313	190	0202-611 151	156
0003-080 065	259	0003-816 818	239	0013-080 065	256	0063-406 040	162	0103-075 316	190	0202-611 351	134
0003-080 067	257	0003-816 820	239	0013-080 070	256	0063-408 050	162	0103-075 316	224	0202-611 351	156
0003-080 070	256	0003-816 825	239	0013-080 077	258	0063-410 100	187	0103-075 320	190	0211-604916	248
0003-080 075	258	0003-999 027	204	0014-509 102	168	0063-410 100	220	0103-075 320	224	0214-906 000	275
0003-080 077	257	0004-000 127	154	0014-509 304	169	0073-080 040	257	0103-075 325	190	0224-509 101	169
0003-086 102	203	0004-102 925	201	0018-852 002	233	0073-080 050	257	0103-075 325	224	0224-906 000	275
0003-086 103	203	0004-401 052	150	0018-852 003	233	0073-080 065	257	0103-080 040	258	0231-604916	248
0003-086 104	203	0004-401 942	151	0021-604918	248	0074-509 301	169	0103-080 050	258	0241-604916	251
0003-086 105	203	0004-509 302	169	0023-080 040	256	0083-003 010	160	0103-080 065	258	0243-003 010	161
0003-102 950	201	0004-512 161	122	0023-080 043	256	0083-003 015	160	0111-604916	248	0243-003 015	161
0003-102 960	201	0004-512 361	122	0023-080 050	256	0083-004 020	160	0113-080 040	258	0243-004 020	161
0003-102 990	201	0004-608 131	110	0023-080 058	258	0083-004 030	160	0113-080 065	258	0243-005 020	161
0003-133 573	196	0004-608 151	110	0023-080 065	256	0083-005 020	160	0114-906 000	275	0243-005 030	161
0003-140 101	198	0004-608 331	110	0023-080 070	257	0083-005 030	160	0123-003 010	161	0243-006 020	161
0003-140 102	198	0004-608 351	110	0023-179 197	199	0083-006 020	160	0123-003 015	161	0243-006 030	161
0003-162 133	195	0004-613 161	113	0023-600 851	142	0083-006 030	160	0123-004 020	161	0243-006 040	161
0003-162 333	195	0004-613 162	113	0023-600 951	142	0083-006 030	218	0123-005 020	161	0243-008 050	161
0003-165 584	196	0004-613 361	113	0024-509 100	169	0083-006 040	160	0123-005 030	161	0243-304 020	163
0003-165 964	196	0004-613 362	113	0024-509 101	168	0083-008 050	160	0123-006 020	161	0243-304 030	163
0003-509 141	145	0004-622 131	120	0024-509 102	168	0083-010 100	186	0123-006 030	161	0243-305 030	163
0003-509 141	167	0004-622 151	120	0024-509 103	168	0083-010 100	220	0123-006 030	218	0243-305 040	163
0003-509 149	167	0004-906 954	276	0024-509 111	168	0083-080 040	257	0123-006 040	161	0243-306 030	163
0003-509 161	145	0004-906 955	276	0033-080 040	256	0083-080 050	257	0123-010 100	186	0243-306 030	219
0003-509 161	167	0004-906 962	276	0033-080 043	257	0083-080 065	257	0123-010 100	220	0243-308 050	163
0003-509 169	167	0004-906 963	276	0033-080 050	256	0083-304 020	163	0123-410 100	187	0244-906 000	275
0003-509 191	145	0008-432 573	196	0033-080 050	259	0083-304 030	163	0123-410 100	220	0254-906 000	275
0003-509 191	167	0008-447 573	192	0033-080 065	256	0083-305 030	163	0124-509 101	169	0264-906 000	275
0003-509 341	145	0008-447 574	192	0033-080 070	257	0083-305 040	163	0124-509 103	169	0274-906 000	275
0003-509 341	167	0008-451 333	192	0033-080 070	259	0083-306 030	163	0124-509 111	169	0281-307 095	198
0003-509 349	167	0008-451 334	192	0034-906 954	276	0083-306 030	219	0124-509 303	169	0281-604916	251
0003-509 361	145	0008-462 091	192	0034-906 962	276	0083-308 050	163	0124-906 000	275	0283-310 100	187
0003-509 361	167	0008-462 133	192	0034-906 963	276	0083-310 100	187	0131-604916	248	0283-310 100	221
0003-509 369	167	0008-462 134	192	0042-576 165	181	0083-310 100	221	0141-604916	251	0311-604916	248
0003-509 561	145	0008-462 291	192	0042-576 175	181	0083-404 020	162	0144-906 000	275	0323-304 020	163
0003-509 561	167	0008-462 391	192	0042-576 365	181	0083-406 040	162	0153-003 010	161	0323-304 030	163
0003-515 827	176	0008-462 591	192	0042-576 375	181	0083-406 040	219	0153-003 015	161	0323-305 030	163
0003-600 211	137	0008-493 100	197	0043-003 010	160	0083-408 050	162	0153-004 020	161	0323-305 040	163
0003-600 311	137	0008-493 100	240	0043-003 015	160	0083-410 100	187	0153-005 020	161	0323-306 030	163
0003-810 100	230	0008-509 161	146	0043-004 020	160	0083-410 100	220	0153-005 030	161	0323-308 050	163
0003-810 125	230	0008-509 162	146	0043-004 030	160	0088-600 221	137	0153-006 020	161	0341-604916	248
0003-810 128	230	0008-509 163	146	0043-005 020	160	0088-600 521	137	0153-006 030	161	0351-604916	251
0003-810 130	230	0008-509 164	146	0043-005 030	160	0093-080 040	257	0153-006 040	161	0391-604916	251
0003-810 132	230	0008-509 363	146	0043-006 020	160	0093-080 050	258	0153-304 020	163	0401-604916	248
0003-810 138	230	0008-600 221	137	0043-006 030	160	0093-080 065	257	0153-304 030	163	0402-631 131	104
0003-810 140	230	0008-600 321	137	0043-006 040	160	0101-604916	248	0153-305 030	163	0402-631 151	104
0003-810 144	230	0008-600 361	142	0043-008 050	160	0102-512 161	122	0153-305 040	163	0402-631 351	104
0003-810 150	230	0008-600 411	137	0043-010 100	186	0102-512 162	122	0153-306 030	163	0411-604916	248
0003-810 157	230	0008-600 421	137	0043-010 1000	220	0102-512 342	122	0153-306 030	219	0441-604916	251
0003-810 163	230	0008-600 422	137	0043-080 040	256	0102-512 362	122	0153-308 050	163	0481-604916	251
0003-810 169	230	0008-600 432	137	0043-080 043	257	0102-608 131	110	0153-404 020	162	0802-600 491	140
0003-810 175	230	0008-600 511	137	0043-080 050	256	0102-608 151	110	0153-406 040	162	0802-600 591	140
0003-810 182	230	0008-600 521	137	0043-080 065	256	0102-608 331	110	0153-406 040	219	0802-600 891	144
0003-815 210	228	0008-600 522	137	0043-080 070	257	0102-608 351	110	0153-408 050	162	0802-600 991	144
0003-816 204	239	0008-600 531	137	0053-080 040	257	0102-613 142	113	0154-906 000	275	0802-608 133	111
0003-816 205	239	0008-600 811	142	0053-080 043	257	0102-613 161	113	0161-604916	251	0802-608 134	111
0003-816 206	239	0008-600 821	142	0053-080 050	257	0102-613 162	113	0164-906 000	275	0802-608 135	111
0003-816 208	239	0008-600 832	142	0053-080 065	256	0102-622 131	120	0174-906 000	275	0802-608 153	111
0003-816 210	239	0008-600 911	142	0053-080 065	259	0102-622 151	120	0181-110 924	202	0802-608 154	111
0003-816 212	239	0008-600 921	142	0053-080 070	258	0102-622 331	120	0181-604916	251	0802-608 155	111
0003-816 304	239	0008-852 003	233	0063-003 010	160	0102-622 351	120	0182-600 491	140	0802-608 184	111
0003-816 305	239	0008-852 004	233	0063-003 015	160	0103-075 021	190	0182-600 591	140	0802-608 185	111
0003-816 306	239	0008-852 005	233	0063-004 020	160	0103-075 027	190	0182-600 891	144	0802-613 142	113
0003-816 308	239	0008-852 006	233	0063-004 030	160	0103-075 028	190	0182-600 991	144	0802-613 144	114
0003-816 310	239	0008-852 008	233	0063-005 020	160	0103-075 048	190	0183-003 010	161	0802-613 162	113
0003-816 312	239	0008-852 010	233	0063-005 030	160	0103-075 048	224	0183-003 015	161	0802-613 164	114
0003-816 504	239	0008-852 012	233	0063-006 020	160	0103-075 050	190	0183-004 020	161	0802-613 165	114
0003-816 505	239	0008-852 805	233	0063-006 030	160	0103-075 050	224	0183-005 020	161	0802-613 166	114
0003-816 506	239	0008-852 806	233	0063-006 030	218	0103-075 051	224	0183-005 030	161	0802-613 194	114
0003-816 508	239	0008-852 808	233	0063-006 040	160	0103-075 210	190	0183-006 020	161	0802-613 363	114
0003-816 510	239	0008-852 810	233	0063-008 050	160	0103-075 213	190	0183-006 030	161	0802-613 364	114
0003-816 512	239	0008-852 812	233	0063-010 100	186	0103-075 216	190	0183-006 040	161	0802-632 131	120
0003-816 804	239	0011-401 912	151	0063-010 100	220	0103-075 220	190	0183-310 100	187	0802-632 151	120
0003-816 805	239	0013-080 000	259	0063-080 040	257	0103-075 225	190	0183-310 100	221	0812-509 913	149

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0901-151 093.....	195	1120-250 100.....	33	1230-060 100.....	40	1802-509 911.....	148	2400-020 100.....	49	3236-041 100.....	63
0901-151 094.....	195	1121-000 100.....	26	1231-055 100.....	42	1802-509 912.....	148	2400-050 100.....	49	3236-500 100.....	64
0901-151 095.....	195	1121-055 100.....	42	1231-070 100.....	45	1802-509 913.....	148	2400-220 100.....	50	3236-520 100.....	64
0901-151 593.....	195	1121-070 100.....	45	1231-115 100.....	41	1802-509 914.....	148	2401-604 919.....	248	3236-540 100.....	65
0901-151 594.....	195	1121-115 100.....	41	1231-905 100.....	39	1802-607 914.....	118	2431-604916.....	250	3236-550 100.....	66
0901-151 595.....	195	1121-150 100.....	46	1231-906 100.....	39	1802-608 914.....	118	2441-604916.....	250	3236-560 100.....	66
0901-152 333.....	195	1121-240 100.....	28	1231-940 100.....	43	1812-509 913.....	149	2451-604916.....	250	3236-580 100.....	70
0901-152 334.....	195	1121-246 100.....	29	1231-965 100.....	44	1911-240 100.....	28	2461-604916.....	250	3236-660 100.....	72
0901-152 335.....	195	1121-250 100.....	34	1232-015 100.....	40	1911-246 100.....	29	2471-604916.....	250	3237-545 100.....	65
0901-604918.....	248	1121-251 100.....	35	1232-060 100.....	40	1911-250 100.....	34	2812-522 051.....	109	3237-561 100.....	68
0904-905 822.....	275	1121-340 100.....	37	1233-060 100.....	42	1911-251 100.....	35	2902-632 151.....	120	3237-860 100.....	69
0904-905 824.....	275	1121-360 100.....	32	1233-115 100.....	41	1911-360 100.....	33	2906-026 501.....	107	3238-040 100.....	63
0904-905 825.....	275	1121-746 100.....	31	1233-150 100.....	46	1921-240 100.....	28	3002-504 342.....	136	3241-604 916.....	251
0904-905 837.....	275	1121-756 100.....	36	1233-250 100.....	34	1921-246 100.....	29	3002-504 342.....	158	3261-604 916.....	251
0904-905 847.....	275	1121-905 100.....	39	1233-251 100.....	35	1921-250 100.....	34	3101-604 914.....	248	3281-604 916.....	251
0904-905 856.....	275	1121-906 100.....	39	1233-340 100.....	37	1921-251 100.....	35	3101-604 916.....	248	3301-462 122.....	193
0904-905 859.....	275	1121-940 100.....	43	1233-360 100.....	32	1921-360 100.....	33	3106-040 100.....	63	3301-462 162.....	193
0904-905 869.....	275	1121-966 100.....	44	1233-906 100.....	39	1922-075 000.....	249	3106-540 100.....	65	3301-462 562.....	193
0904-905 896.....	275	1122-015 100.....	40	1233-940 100.....	43	2008-512 061.....	123	3111-604 913.....	248	3303-140 101.....	198
0904-905 899.....	275	1122-060 100.....	40	1233-965 100.....	44	2008-512 161.....	123	3111-604 916.....	248	3311-604 913.....	248
0908-507 061.....	138	1123-060 100.....	42	1235-015 100.....	56	2008-608 131.....	112	3113-551 100.....	67	3311-604 916.....	248
0914-905 825.....	275	1123-115 100.....	41	1235-060 100.....	56	2008-608 151.....	112	3114-540 100.....	65	3321-604 914.....	248
0924-905 822.....	275	1123-270 100.....	38	1236-015 100.....	57	2008-608 152.....	112	3116-040 100.....	63	3351-604 916.....	251
0924-905 823.....	275	1123-906 100.....	39	1237-015 100.....	56	2008-608 153.....	112	3116-500 100.....	64	3371-604916.....	251
0924-905 825.....	275	1123-940 100.....	43	1238-015 100.....	57	2008-608 154.....	112	3116-520 100.....	64	3391-604 916.....	251
980-8036 516.....	234	1123-966 100.....	44	1238-250 100.....	55	2008-613 061.....	115	3116-540 100.....	65	3401-604 914.....	248
1003-086 438.....	203	1125-000 100.....	55	1243-404 020.....	162	2008-613 062.....	115	3116-550 100.....	66	3401-604 916.....	248
1003-086 450.....	203	1125-015 100.....	56	1243-406 040.....	162	2008-613 063.....	115	3116-560 100.....	66	3411-604 916.....	248
1004-608 151.....	141	1125-060 100.....	56	1243-406 040.....	219	2008-613 064.....	115	3116-580 100.....	70	3441-604 916.....	251
1061-604916.....	250	1126-015 100.....	57	1243-408 050.....	162	2008-613 065.....	115	3116-660 100.....	72	3461-604916.....	251
1071-604916.....	250	1127-015 100.....	56	1300-225 100.....	40	2008-613 161.....	115	3117-545 100.....	65	3481-604 916.....	251
1091-604916.....	250	1127-060 100.....	56	1300-226 100.....	40	2008-613 162.....	115	3117-561 100.....	68	3602-075 000.....	249
1100-015 100.....	40	1128-015 100.....	57	1301-125 100.....	41	2008-613 163.....	115	3123-551 100.....	67	3602-632 131.....	120
1101-070 100.....	45	1132-819 110.....	241	1301-126 100.....	41	2008-613 164.....	115	3124-500 100.....	64	3602-632 331.....	120
1101-966 100.....	44	1150-015 100.....	40	1301-127 100.....	41	2008-613 165.....	115	3124-540 100.....	65	3602-632 351.....	120
1102-015 100.....	40	1151-070 100.....	45	1301-376 100.....	47	2008-622 151.....	121	3124-560 100.....	68	3603-604 000.....	249
1103-115 100.....	41	1152-015 100.....	40	1301-377 100.....	47	2008-631 151.....	105	3126-040 100.....	63	3612-075 000.....	249
1105-015 100.....	56	1153-115 100.....	41	1301-604912.....	248	2101-401 913.....	252	3126-500 100.....	64	3613-604 000.....	249
1107-015 100.....	56	1153-150 100.....	46	1302-753 368.....	186	2102-576 916.....	182	3126-520 100.....	64	3622-075 000.....	249
1110-015 100.....	40	1153-250 100.....	34	1305-225 100.....	56	2103-000 461.....	211	3126-540 100.....	65	3633-604 000.....	249
1110-060 100.....	40	1153-340 100.....	37	1306-035 100.....	57	2103-002 101.....	207	3126-550 100.....	66	3642-075 000.....	249
1110-240 100.....	27	1180-015 100.....	40	1306-036 100.....	57	2103-002 102.....	206	3126-560 100.....	66	3652-075 000.....	249
1110-250 100.....	33	1180-060 100.....	40	1306-135 100.....	58	2103-005 333.....	211	3126-580 100.....	70	3692-075 000.....	249
1111-000 100.....	26	1181-055 100.....	42	1311-604912.....	248	2103-007 012.....	211	3126-660 100.....	72	3892-608 131.....	110
1111-055 100.....	42	1181-070 100.....	45	1321-604912.....	248	2103-100 643.....	222	3127-545 100.....	65	3902-504 162.....	159
1111-070 100.....	45	1181-115 100.....	41	1321-604913.....	248	2103-100 896.....	222	3127-560 100.....	68	3902-506 162.....	159
1111-115 100.....	41	1181-905 100.....	39	1331-604913.....	248	2103-100 944.....	222	3131-604 916.....	248	3902-512 161.....	123
1111-150 100.....	46	1181-906 100.....	39	1341-604914.....	248	2111-401 913.....	252	3141-604 916.....	251	3902-576 175.....	182
1111-240 100.....	28	1181-940 100.....	43	1351-135 100.....	41	2118-631 151.....	105	3151-604 913.....	248	3902-613 161.....	116
1111-246 100.....	29	1181-966 100.....	44	1351-137 100.....	41	2121-401 913.....	252	3154-540 100.....	65	3902-613 163.....	116
1111-250 100.....	34	1182-015 100.....	40	1351-386 100.....	47	2191-604916.....	251	3156-040 100.....	63	3902-613 164.....	116
1111-251 100.....	35	1183-060 100.....	42	1351-387 100.....	47	2201-604912.....	248	3156-500 100.....	64	3906-013 009.....	184
1111-340 100.....	37	1183-115 100.....	41	1351-604913.....	248	2202-631 151.....	104	3156-520 100.....	64	3906-013 021.....	184
1111-360 100.....	32	1183-150 100.....	46	1351-604914.....	248	2202-631 331.....	104	3156-540 100.....	65	3906-013 057.....	184
1111-746 100.....	31	1183-250 100.....	34	1356-035 100.....	57	2202-631 351.....	104	3156-560 100.....	66	3906-030 304.....	166
1111-756 100.....	36	1183-251 100.....	35	1356-037 100.....	57	2204-631 151.....	105	3156-580 100.....	70	3906-030 310.....	166
1111-905 100.....	39	1183-270 100.....	38	1356-135 100.....	58	2204-631 331.....	105	3157-560 100.....	68	3906-030 316.....	166
1111-906 100.....	39	1183-340 100.....	37	1361-604913.....	248	2204-631 351.....	105	3161-604 916.....	251	3912-613 163.....	116
1111-940 100.....	43	1183-360 100.....	32	1361-604914.....	248	2211-604 914.....	248	3181-604 916.....	251	3916-540 100.....	65
1111-966 100.....	44	1183-756 100.....	36	1371-604914.....	248	2224-509 101.....	169	3186-041 100.....	63	3926-540 100.....	65
1112-015 100.....	40	1183-906 100.....	39	1381-604914.....	248	2300-020 100.....	49	3186-500 100.....	64	4000-268 100.....	308
1112-060 100.....	40	1183-940 100.....	43	1402-631 131.....	104	2300-040 100.....	49	3186-520 100.....	64	4000-269 100.....	308
1113-060 100.....	42	1185-015 100.....	56	1402-631 151.....	104	2300-220 100.....	50	3186-540 100.....	65	4000-282 100.....	308
1113-115 100.....	41	1185-060 100.....	56	1402-631 351.....	104	2300-920 100.....	50	3186-560 100.....	66	4000-283 100.....	308
1113-270 100.....	38	1186-015 100.....	57	1418-600 005.....	152	2301-320 100.....	49	3186-580 100.....	70	4000-368 100.....	308
1113-906 100.....	39	1187-015 100.....	56	1421-604912.....	250	2301-340 100.....	49	3186-660 100.....	72	4000-382 100.....	308
1113-940 100.....	43	1202-509 912.....	148	1421-604914.....	250	2312-607 914.....	118	3187-545 100.....	65	4000-478 100.....	308
1113-966 100.....	44	1202-509 913.....	148	1431-604912.....	250	2350-020 100.....	49	3187-560 100.....	68	4000-478 100.....	308
1115-000 100.....	55	1202-509 914.....	148	1431-604914.....	250	2350-040 100.....	49	3187-860 100.....	69	4000-568 100.....	308
1115-015 100.....	56	1202-631 131.....	106	1441-604912.....	250	2350-220 100.....	50	3188-040 100.....	63	4000-568 100.....	308
1115-060 100.....	56	1202-631 151.....	106	1441-604914.....	250	2350-920 100.....	50	3201-604 916.....	248	4000-600 100.....	307
1116-015 100.....	57	1203-600 000.....	217	1451-604913.....	250	2351-320 100.....	49	3202-509 911.....	148	4000-601 100.....	306
1117-015 100.....	56	1203-600 001.....	207	1461-604913.....	250	2351-340 100.....	49	3202-509 912.....	148	4000-602 100.....	306
1117-060 100.....	56	1203-600 002.....	206	1518-600 005.....	153	2352-512 342.....	122	3202-509 913.....	148	4000-604 100.....	306
1118-015 100.....	57	1212-631 131.....	106	1601-604 914.....	248	2352-512 362.....	122	3202-509 914.....	148	4000-605 100.....	306
1120-015 100.....	40	1212-631 151.....	106	1602-608 131.....	110	2352-608 131.....	110	3211-604 916.....	248	4000-606 100.....	306
1120-060 100.....	40	1224-509 101.....	168	1602-608 151.....	110	2352-608 151.....	110	3221-604 914.....	248	4000-607 100.....	306
1120-240 100.....	27	1230-015 100.....	40	1611-604918.....	248	2352-622 151.....	120				

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
4000-668 100	308	4184-521 102	290	4354-930 102	304	5231-167 100	83	5248-306 100	84	5832-187 100	82
4001-100 100	306	4185-386 102	292	4355-603 102	293	5231-184 100	80	5251-104 100	88	5832-189 100	82
4001-901 924	244	4185-441 102	295	4355-606 102	301	5231-186 100	80	5251-106 100	88	5851-304 100	89
4001-901 926	244	4185-611 102	301	4355-616 102	301	5231-187 100	80	5251-107 100	88	5851-306 100	89
4001-902 924	244	4186-037 102	310	4355-624 102	293	5231-204 100	78	5251-304 100	88	5851-307 100	89
4001-902 926	244	4187-135 102	294	4355-657 102	292	5231-206 100	78	5251-306 100	88	5851-444 100	92
4010-010 100	308	4203-510 102	297	4355-662 102	292	5231-207 100	78	5251-307 100	88	5851-446 100	92
4010-050 100	308	4203-515 102	297	4355-667 102	292	5231-209 100	78	5251-434 100	91	5851-447 100	92
4021-604 918	248	4204-512 102	298	4357-134 102	294	5231-364 100	83	5251-436 100	91	5852-304 100	89
4102-921 051	108	4204-517 102	298	4357-135 102	294	5231-366 100	83	5251-437 100	91	5852-306 100	89
4103-500 102	297	4233-460 102	295	4357-136 102	294	5231-367 100	83	5251-444 100	91	5852-307 100	89
4113-460 102	295	4233-510 102	297	4404-015 102	302	5231-384 100	80	5251-446 100	91	5852-444 100	92
4113-509 102	297	4233-810 102	288	4404-116 102	300	5231-386 100	80	5251-447 100	91	5852-446 100	92
4113-510 102	297	4234-010 102	302	4404-190 102	289	5231-387 100	80	5251-604 100	87	5852-447 100	92
4113-810 102	288	4234-110 102	300	4404-930 102	304	5231-389 100	80	5251-606 100	87	5891-604914	248
4114-010 102	302	4234-185 102	289	4405-616 102	301	5231-404 100	92	5251-607 100	87	5901-604 918	248
4114-110 102	300	4234-208 102	290	4411-604914	248	5231-406 100	92	5251-704 100	79	5931-184 100	81
4114-185 102	289	4234-215 102	303	4454-190 102	289	5231-407 100	92	5251-706 100	79	5931-186 100	81
4114-208 102	290	4234-234 102	291	4454-930 102	304	5231-409 100	92	5251-707 100	79	5931-187 100	81
4114-215 102	303	4234-512 102	298	4455-616 102	301	5232-004 100	78	5252-104 100	88	5931-384 100	81
4114-234 102	291	4234-521 102	290	4504-930 102	304	5232-006 100	78	5252-106 100	88	5931-386 100	81
4114-464 102	304	4235-386 102	292	4505-616 102	301	5232-007 100	78	5252-107 100	88	5931-387 100	81
4114-512 102	298	4235-441 102	295	4602-626 131	104	5232-009 100	78	5252-304 100	88	5931-389 100	81
4114-521 102	290	4235-466 102	296	4602-743 178	186	5232-164 100	83	5252-306 100	88	5932-184 100	81
4115-386 102	292	4235-611 102	301	4604-930 102	304	5232-166 100	83	5252-307 100	88	5932-186 100	81
4115-441 102	295	4235-613 102	293	4605-616 102	301	5232-167 100	83	5252-434 100	91	5932-187 100	81
4115-466 102	296	4237-135 102	294	4612-626 331	104	5232-184 100	80	5252-436 100	91	5932-384 100	81
4115-514 102	299	4253-515 102	297	4902-613 561	113	5232-186 100	80	5252-437 100	91	5932-386 100	81
4115-611 102	301	4254-517 102	298	4902-613 562	113	5232-187 100	80	5252-444 100	91	5932-387 100	81
4116-032 102	310	4255-616 102	301	4912-613 561	113	5232-204 100	78	5252-446 100	91	5932-389 100	81
4116-033 102	310	4303-805 102	288	4913-460 102	295	5232-206 100	78	5252-447 100	91	5941-444 100	90
4116-037 102	310	4303-810 102	288	4914-185 102	289	5232-207 100	78	5252-604 100	87	5941-446 100	90
4116-041 102	311	4303-815 102	288	4915-514 102	299	5232-209 100	78	5252-606 100	87	5941-447 100	90
4116-042 102	312	4304-015 102	302	4923-460 102	295	5232-364 100	83	5252-607 100	87	5942-444 100	90
4116-064 102	312	4304-105 102	300	4924-185 102	289	5232-366 100	83	5252-704 100	79	5942-446 100	90
4117-135 102	294	4304-110 102	300	4925-514 102	299	5232-367 100	83	5252-706 100	79	5942-447 100	90
4123-460 102	295	4304-115 102	300	4933-604 000	249	5232-384 100	80	5252-707 100	79	5991-604914	250
4123-510 102	297	4304-180 102	289	5002-075 000	249	5232-386 100	80	5401-401 913	109	6001-901 924	244
4123-810 102	288	4304-182 102	289	5131-184 100	82	5232-387 100	80	5402-921 873	108	6001-901 926	244
4124-010 102	302	4304-190 102	289	5131-186 100	82	5232-389 100	80	5411-401 913	109	6001-902 924	244
4124-110 102	300	4304-192 102	289	5131-187 100	82	5238-004 100	78	5411-604 912	248	6001-902 926	244
4124-185 102	289	4304-207 102	290	5132-184 100	82	5238-006 100	78	5421-401 913	109	6011-000 000	94
4124-208 102	290	4304-225 102	303	5132-186 100	82	5238-007 100	78	5431-401 913	109	6011-001 000	94
4124-215 102	303	4304-232 102	291	5132-187 100	82	5238-204 100	78	5431-604 912	248	6011-003 000	94
4124-234 102	291	4304-234 102	291	5151-154 100	86	5238-206 100	78	5441-604 912	248	6011-004 000	94
4124-464 102	304	4304-236 102	291	5151-156 100	86	5238-207 100	78	5495-560 051	189	6011-005 000	94
4124-512 102	298	4304-517 102	298	5151-157 100	86	5238-384 100	80	5495-560 052	189	6011-006 000	94
4124-521 102	290	4304-518 102	298	5152-154 100	86	5238-386 100	80	5495-560 054	189	6011-007 000	94
4125-386 102	292	4304-521 102	290	5152-156 100	86	5238-387 100	80	5495-560 080	189	6011-008 000	94
4125-441 102	295	4304-525 102	290	5152-157 100	86	5241-104 100	84	5495-560 082	189	6011-009 000	94
4125-466 102	296	4304-920 102	304	5162-507 361	136	5241-106 100	84	5501-604 913	250	6011-814 000	95
4125-514 102	299	4304-930 102	304	5162-507 361	158	5241-107 100	84	5501-604 914	250	6011-816 000	95
4125-611 102	301	4305-603 102	293	5211-104 100	85	5241-304 100	84	5511-604 913	250	6011-817 000	95
4126-021 102	311	4305-606 102	301	5211-106 100	85	5241-306 100	84	5521-604 913	250	6012-000 000	94
4126-032 102	310	4305-616 102	301	5211-107 100	85	5241-307 100	84	5521-604 914	250	6012-001 000	94
4126-033 102	310	4305-624 102	293	5211-109 100	85	5241-309 100	84	5541-204 100	125	6012-003 000	94
4126-037 102	310	4305-657 102	292	5211-304 100	85	5241-434 100	90	5541-206 100	125	6012-004 000	94
4126-041 102	311	4305-667 102	292	5211-306 100	85	5241-436 100	90	5541-207 100	125	6012-005 000	94
4126-042 102	312	4306-026 904	104	5211-307 100	85	5241-437 100	90	5541-220 100	208	6012-006 000	94
4126-064 102	312	4307-134 102	294	5211-309 100	85	5241-444 100	90	5541-306 100	126	6012-007 000	94
4127-135 102	294	4307-136 102	294	5212-104 100	85	5241-446 100	90	5541-307 100	126	6012-008 000	94
4153-510 102	297	4341-604 916	248	5212-106 100	85	5241-447 100	90	5542-204 100	125	6012-009 000	94
4153-515 102	297	4353-815 102	288	5212-107 100	85	5242-104 100	84	5542-206 100	125	6012-814 000	95
4154-010 102	302	4354-005 102	302	5212-109 100	85	5242-106 100	84	5542-207 100	125	6012-816 000	95
4154-110 102	300	4354-015 102	302	5212-304 100	85	5242-107 100	84	5542-220 100	208	6012-817 000	95
4154-185 102	289	4354-105 102	300	5212-306 100	85	5242-304 100	84	5542-306 100	126	6018-000 000	94
4154-517 102	298	4354-110 102	300	5212-307 100	85	5242-306 100	84	5542-307 100	126	6018-001 000	94
4155-611 102	301	4354-115 102	300	5212-309 100	85	5242-307 100	84	5652-613 142	113	6018-003 000	94
4183-460 102	295	4354-180 102	289	5218-104 100	85	5242-309 100	84	5652-613 162	113	6018-004 000	94
4183-510 102	297	4354-185 102	289	5218-106 100	85	5242-434 100	90	5702-509 938	188	6018-006 000	94
4183-515 102	297	4354-190 102	289	5218-304 100	85	5242-436 100	90	5725-314 010	129	6018-007 000	94
4183-810 102	288	4354-195 102	289	5218-306 100	85	5242-437 100	90	5791-604 914	250	6018-008 000	94
4184-010 102	302	4354-207 102	290	5231-004 100	78	5242-444 100	90	5831-184 100	82	6018-009 000	94
4184-110 102	300	4354-227 102	303	5231-006 100	78	5242-446 100	90	5831-186 100	82	6121-100 000	96
4184-185 102	289	4354-517 102	298	5231-007 100	78	5242-447 100	90	5831-187 100	82	6121-101 000	96
4184-208 102	290	4354-518 102	298	5231-009 100	78	5248-104 100	84	5831-189 100	82	6121-103 000	96
4184-512 102	298	4354-525 102	290	5231-164 100	83	5248-106 100	84	5832-184 100	82	6121-104 000	96
4184-517 102	298	4354-920 102	304	5231-166 100	83	5248-304 100	84	5832-186 100	82	6121-106 000	96

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
6121-107 000	96	6721-604 916	250	7002-505 542	136	9748-036 305	235	9828-036 312	234	9902-515 062	185
6122-100 000	96	6722-333 000	95	7002-505 542	158	9748-036 306	235	9828-036 313	234	9902-515 063	185
6122-101 000	96	6722-335 000	95	7002-507 162	158	9748-036 307	235	9828-036 316	234	9902-515 064	185
6122-103 000	96	6722-336 000	95	7002-507 342	136	9748-036 308	235	9828-036 318	234	9902-515 065	185
6122-104 000	96	6722-337 000	95	7002-507 342	158	9748-036 312	235	9828-036 320	234	9902-515 069	185
6122-106 000	96	6761-604 916	250	7002-507 362	136	9748-036 320	236	9828-036 322	234	9902-515 079	185
6122-107 000	96	6771-604 916	250	7002-507 362	158	9802-026 560	174	9828-036 325	235	9902-515 080	185
6123-100 000	96	6790-073 000	100	7003-507 061	138	9802-026 561	174	9828-036 327	235	9902-515 081	185
6123-101 000	96	6790-074 000	100	7003-600 221	137	9802-026 562	174	9828-036 328	235	9902-515 082	185
6123-103 000	96	6790-075 000	100	7003-600 421	137	9802-026 563	174	9828-036 330	235	9902-522 142	179
6123-104 000	96	6790-076 000	100	7003-600 521	137	9802-026 581	174	9828-036 332	235	9902-522 162	179
6123-106 000	96	6790-077 000	100	7003-600 821	142	9802-026 582	174	9828-036 335	235	9902-522 163	179
6123-107 000	96	6811-604 916	250	7003-600 921	142	9802-026 583	174	9828-036 338	235	9902-522 342	179
6152-631 131	104	6821-604 916	250	7004-608 151	141	9802-921 873	108	9828-036 341	235	9902-522 362	179
6154-631 131	105	6841-604 916	250	7008-600 361	142	9802-921 875	108	9828-036 345	235	9902-522 363	179
6171-604 916	248	6900-040 100	209	7008-600 832	142	9803-630 151	166	9828-036 348	235	9902-532 142	179
6201-604 914	248	6900-041 100	209	7012-611 351	134	9803-630 171	166	9828-036 351	235	9902-532 162	179
6211-100 000	97	6900-055 100	128	7012-611 351	156	9803-630 351	166	9828-036 354	235	9902-532 163	179
6211-105 000	97	6900-056 100	128	7018-600 521	137	9803-630 371	166	9828-036 357	235	9902-532 342	179
6211-110 000	97	6900-057 100	128	7182-600 491	140	9808-036 512	234	9828-036 360	235	9902-532 362	179
6211-205 000	97	6900-780 100	34	7182-600 591	140	9808-036 513	234	9828-036 364	235	9902-543 142	180
6212-105 000	97	6900-840 100	26	7182-600 891	144	9808-036 514	234	9841-604 913	248	9902-543 162	180
6212-110 000	97	6900-841 100	26	7182-600 991	144	9808-036 515	234	9848-036 305	235	9902-543 362	180
6212-205 000	97	6900-842 100	26	7202-611 151	134	9808-036 517	234	9848-036 306	235	9902-543 542	180
6218-105 000	97	6900-843 100	26	7202-611 151	156	9808-036 518	234	9848-036 308	235	9902-543 562	180
6218-110 000	97	6900-850 100	28	7601-306 095	198	9808-036 519	234	9848-036 310	235	9902-543 563	180
6218-205 000	97	6900-851 100	29	7702-921 875	108	9808-036 520	234	9848-036 311	235	9902-544 142	179
6231-604 914	248	6900-852 100	28	7801-401 912	151	9808-036 521	234	9848-036 313	235	9902-544 162	179
6303-604 000	249	6900-853 100	29	7802-509 913	149	9808-036 522	234	9848-036 314	235	9902-544 163	179
6311-000 100	98	6900-855 100	34	7802-600 491	140	9808-036 523	234	9848-036 315	235	9902-544 193	179
6311-001 100	98	6900-856 100	34	7802-600 591	140	9808-036 524	234	9848-036 316	235	9902-544 341	179
6311-003 100	98	6900-861 100	35	7802-600 891	144	9808-036 525	235	9848-036 317	235	9902-544 342	179
6311-009 100	98	6900-870 100	28	7802-600 991	144	9808-036 526	235	9848-036 318	236	9902-544 361	179
6311-010 100	98	6900-871 100	28	7811-401 912	151	9808-036 527	235	9848-036 319	236	9902-544 362	179
6311-011 100	98	6900-872 100	29	7812-509 913	149	9808-036 528	235	9848-036 321	236	9902-544 441	179
6311-012 100	98	6900-873 100	29	7902-600 000	211	9808-036 529	235	9848-036 322	236	9902-544 461	179
6311-014 100	98	6900-874 100	34	7902-613 196	119	9808-036 530	235	9848-036 323	236	9902-544 491	179
6311-016 100	98	6900-875 100	34	7903-600 004	215	9808-036 532	235	9848-036 324	236	9902-553 162	180
6311-019 100	98	6900-876 100	35	7912-600 000	216	9808-036 535	235	9848-036 325	236	9902-554 142	179
6311-022 100	98	6900-877 100	35	7922-600 000	216	9808-036 538	235	9848-036 326	236	9902-554 162	179
6400-001 100	48	6900-932 100	34	7922-613 196	119	9808-036 540	235	9848-036 327	236	9902-554 163	179
6400-001 100	71	6900-935 100	28	7932-613 196	119	9808-036 541	235	9848-036 328	236	9902-554 192	179
6400-002 100	48	6900-936 100	38	7942-613 196	119	9808-036 545	235	9848-036 329	236	9902-554 341	179
6400-002 100	71	6900-937 100	37	8001-901 924	244	9808-036 548	235	9848-036 330	236	9902-554 361	179
6401-604 912	250	6900-941 100	34	8001-901 926	244	9808-036 550	235	9848-036 332	236	9902-554 362	179
6402-608 914	118	6900-942 100	32	8001-902 924	244	9808-036 551	235	9848-036 335	236	9902-554 441	179
6405-000 100	48	6900-943 100	32	8001-902 926	244	9808-036 554	235	9848-036 338	236	9902-554 461	179
6405-006 100	48	6900-945 100	28	8103-800 224	224	9808-036 557	235	9848-036 340	236	9902-565 142	180
6406-000 100	71	6900-946 100	38	8203-010 100	186	9808-036 560	235	9848-036 341	236	9902-565 162	180
6406-001 100	48	6900-947 100	37	8203-010 100	220	9818-036 308	234	9848-036 345	236	9902-565 163	180
6406-500 100	48	6900-955 100	55	8203-310 100	187	9818-036 309	234	9848-036 348	236	9902-565 362	180
6407-600 100	71	6900-965 100	55	8203-310 100	221	9818-036 310	234	9848-036 350	236	9902-565 542	180
6407-622 100	48	6900-975 100	29	8203-410 100	187	9818-036 311	234	9848-036 351	236	9902-565 562	180
6407-634 100	48	6900-985 100	29	8203-410 100	220	9818-036 312	234	9848-036 354	236	9902-566 142	179
6407-637 100	48	6900-987 100	27	8401-401 913	252	9818-036 313	234	9848-036 357	236	9902-566 162	179
6412-608 914	118	6900-988 100	27	8411-604 918	248	9818-036 316	234	9848-036 360	236	9902-566 163	179
6501-604 912	250	6901-030 100	28	8602-600 003	223	9818-036 318	234	9901-604914	248	9902-566 192	179
6511-604 919	248	6901-031 100	29	8603-600 004	218	9818-036 320	234	9902-511 162	179	9902-566 193	179
6561-500 000	99	6901-032 100	28	8603-600 006	213	9818-036 322	234	9902-511 362	179	9902-566 341	179
6561-520 000	99	6901-033 100	29	8603-600 010	217	9818-036 325	235	9902-515 001	185	9902-566 342	179
6561-700 000	99	6901-050 100	33	8612-600 003	223	9818-036 327	235	9902-515 002	185	9902-566 361	179
6561-710 000	99	6901-052 100	33	8771-604919	248	9818-036 328	235	9902-515 003	185	9902-566 362	179
6561-720 000	99	6901-075 100	31	8802-753 478	186	9818-036 330	235	9902-515 004	185	9902-566 363	179
6562-000 000	99	6901-076 100	36	8812-607 914	118	9818-036 332	235	9902-515 025	185	9902-566 441	179
6562-010 000	99	6901-085 100	31	9301-614 916	119	9818-036 335	235	9902-515 026	185	9902-566 461	179
6562-020 000	99	6901-086 100	36	9311-614 916	119	9818-036 338	235	9902-515 027	185	9902-566 491	179
6601-604 912	250	6903-050 100	31	9321-614 916	119	9818-036 341	235	9902-515 028	185	9902-575 142	180
6621-604 916	250	6903-051 100	31	9331-614 916	119	9818-036 345	235	9902-515 040	185	9902-575 162	180
6641-604 916	250	6912-613 561	131	9502-626 251	104	9818-036 348	235	9902-515 041	185	9902-575 163	180
6651-604 916	250	6912-613 891	131	9502-626 301	104	9818-036 351	235	9902-515 042	185	9902-575 342	180
6700-001 100	127	6912-622 891	132	9502-626 311	104	9818-036 354	235	9902-515 043	185	9902-576 142	179
6700-002 100	127	6991-604916	250	9502-626 501	104	9818-036 357	235	9902-515 050	185	9902-576 162	179
6700-003 100	127	7002-504 162	136	9502-626 651	104	9818-036 360	235	9902-515 051	185	9902-576 163	179
6700-006 000	160	7002-504 162	158	9502-664 151	104	9818-036 364	235	9902-515 052	185	9902-576 193	179
6700-007 000	160	7002-504 362	136	9504-626 251	105	9828-036 308	234	9902-515 053	185	9902-576 342	179
6700-008 100	170	7002-504 362	158	9602-075 000	249	9828-036 309	234	9902-515 056	185	9902-576 343	179
6700-012 100	128	7002-505 162	136	9706-026 904	107	9828-036 310	234	9902-515 057	185	9902-576 362	179
6701-604 912	248	7002-505 162	158	9711-104 925	200	9828-036 311	234	9902-515 058	185	9902-576 363	179

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
9902-576 464	179	9906-015 025	183	9906-030 302	165	9907-035 042	226	9907-036 139	227	L779-000 462	210
9902-586 142	180	9906-015 026	183	9906-030 304	165	9907-035 051	226	9907-036 147	227	L779-000 466	210
9902-586 162	180	9906-015 027	183	9906-030 305	165	9907-035 052	226	9907-036 151	227	L779-001 385	210
9902-586 163	180	9906-015 028	183	9906-030 308	165	9907-035 061	226	9907-036 155	227	L779-005 333	210
9902-586 342	180	9906-015 035	183	9906-030 310	165	9907-035 062	226	9907-036 156	227	L779-007 013	210
9902-586 343	180	9906-015 036	183	9906-030 311	165	9907-035 081	226	9907-036 163	227	L779-009 510	210
9902-587 142	179	9906-015 037	183	9906-030 312	165	9907-035 082	226	9907-036 164	227	L779- 132 001	210
9902-587 162	179	9906-015 038	183	9906-030 314	165	9907-035 086	226	9907-036 172	227	L779-191 001	210
9902-587 163	179	9906-015 040	183	9906-030 316	165	9907-035 087	226	9907-036 179	227	L779- 840 010	210
9902-587 192	179	9906-015 041	183	9906-030 317	165	9907-035 092	226	9907-036 187	227	L779-840 130	210
9902-587 193	179	9906-015 042	183	9906-030 318	165	9907-035 096	226	9907-036 188	227	L779-920 160	210
9902-587 342	179	9906-015 043	183	9906-030 326	165	9907-035 097	226	9907-036 204	227	L779-930 401	210
9902-587 343	179	9906-015 050	183	9906-030 328	165	9907-035 107	226	9907-036 308	237	L911-000 436	212
9902-587 362	179	9906-015 051	183	9906-030 329	165	9907-035 117	226	9907-036 310	237	L914-000 436	212
9902-587 363	179	9906-015 052	183	9906-030 332	165	9907-035 127	226	9907-036 312	237	L940-030 842	212
9906-011 146	159	9906-015 053	183	9906-030 334	165	9907-035 137	226	9907-036 314	237	L960-030 577	214
9906-011 147	159	9906-015 056	183	9906-030 335	165	9907-035 197	226	9907-036 316	237	L961-100 012	214
9906-011 148	159	9906-015 057	183	9906-030 338	165	9907-035 205	226	9907-036 486	237	L961-100 076	214
9906-011 149	159	9906-015 058	183	9906-030 340	165	9907-035 213	226	9908-608 132	111	MZ 31 06 81	271
9906-011 150	159	9906-015 059	183	9906-030 341	165	9907-035 221	226	9908-608 152	111	MZ 31 08 60	271
9906-011 151	159	9906-015 062	183	9906-030 488	170	9907-036 012	227	9928-036 305	234	MZ 31 10 48	271
9906-011 153	159	9906-015 063	183	9906-030 489	170	9907-036 017	227	9928-036 307	234	MZ 45 08 88	271
9906-011 154	159	9906-015 064	183	9906-030 490	170	9907-036 022	227	9946-015 056	183	MZ 45 12 59	271
9906-011 155	159	9906-015 065	183	9906-030 492	170	9907-036 023	227	9946-015 057	183	MZ 45 16 44	271
9906-011 446	159	9906-015 069	183	9906-030 493	170	9907-036 027	227	9946-015 058	183	MZ 57 10 89	271
9906-011 447	159	9906-015 070	183	9906-030 494	170	9907-036 032	227	9946-015 059	183	MZ 57 15 60	271
9906-011 448	159	9906-015 071	183	9906-030 496	170	9907-036 033	227	9962-515 056	185	MZ 57 18 50	271
9906-011 449	159	9906-015 079	183	9906-030 497	170	9907-036 037	227	9962-515 057	185	MZ 65 12 85	271
9906-011 450	159	9906-015 080	183	9906-030 498	170	9907-036 042	227	9962-515 058	185	MZ 65 17 60	271
9906-011 451	159	9906-015 081	183	9906-030 500	170	9907-036 043	227	9962-515 059	185	MZ 65 20 50	271
9906-011 453	159	9906-015 082	183	9906-030 501	170	9907-036 047	227	9962-515 062	185	MZ 86 12 112	271
9906-011 454	159	9906-021 059	177	9906-030 502	170	9907-036 052	227	9962-515 063	185	MZ 86 20 67	271
9906-011 455	159	9906-021 183	177	9906-033 030	112	9907-036 053	227	9962-515 064	185	MZ 86 30 45	271
9906-013 008	177	9906-021 184	177	9906-033 031	112	9907-036 057	227	9962-515 065	185	MZ 100 14 112	271
9906-013 009	177	9906-022 081	177	9906-033 125	112	9907-036 062	227	9966-015 063	183	MZ 100 18 87	271
9906-013 021	177	9906-022 082	177	9906-033 126	112	9907-036 063	227	9966-015 064	183	MZ 100 22 71	271
9906-013 057	177	9906-022 085	177	9907-035 021	226	9907-036 067	227	9966-015 065	183	MZ 125 18 110	271
9906-015 001	183	9906-026 051	107	9907-035 023	226	9907-036 072	227	L669-002 101	207	MZ 125 24 82	271
9906-015 002	183	9906-026 117	107	9907-035 031	226	9907-036 073	227	L669-002 102	206	MZ 125 28 70	271
9906-015 003	183	9906-026 500	107	9907-035 032	226	9907-036 082	227	L779-000 175	210		
9906-015 004	183	9906-026 501	107	9907-035 041	226	9907-036 093	227	L779-000 433	210		

Index of Dronco product names

Part name	Page	Part name	Page	Part name	Page
4-M adapters for tortoise-shape bores	189	CERA MAXX X-LOCK	92	Polimaxx 3 – fine	125
5-part polishing kit for stainless steel finishing	209	CERA PLUS	90	Polimaxx 4 – gloss	208
A4	303	Clamping fixtures for ATB® disc brushes	249	Polimaxx kit in display box	128
A4 Asphalt	304	Coarse cleaning fleece for angle grinders	127	Polishing compounds	211
A4 M	304	Coarse cleaning fleece kit in display box	128	Polishing kit, 6 pc	213
A 24 R	40	Coarse cleaning fleeces for angled and straight grinders	160	Polishing kit, 6 pc	217
A 30 S	49	Cotton cloth medium soft folded buffs	222	Polishing kit, 10 pc	217
A 30 T	63	Cotton cloth soft folded buffs	222	Polishing kit for brass, plastic and lacquer	216
A 46 R	33	CS 24 R	57	Polishing kit for (stainless) steel and aluminium	216
A 60 R	27	CS 30 ASPHALT / DUKTIL	58	Polishing kit for stationary machines, 3 pc	223
Acrylic polish	207	CS 30 S	72	Polispeed	126
Acrylic polishing kit	207	CS 46 ALU	46	Punched Disc Brushes	264
ACS 60 T MULTI / ACS 46 T MULTI	32	CS 60 ALU	46	Punched Lath Brushes	266
AK 24 V CeraMaxx	68	Cutter head holders/combined cutter arbor	252	Punched Wheel- and Roller Brushes	267
AK 36 T CeraMaxx	67	DB 4 – all purpose	290	Radiator paint brush, plastic handle	203
ALOX GRIND+FINISH	79	DISPLAY XTREME AS 60 X INOX	31	Ribbed backing pad	97
ALOX POWER	78	Drive arbor, type I	154	Roller brushes for deburring machines, crimped wire	186
AS 24/30 T	64	DST BLUE Speed	312	RUFTUF® End brushes, Xtreme wire, knotted	166
AS 24 R BAHN	47	DST Boomerang	311	S3 turbo	295
AS 24 S CAST IRON	69	DST Plus	310	S5 turbo	295
AS 30 R	64	DST Power	310	S5 turbo protect	296
AS 30 S	41	DST Speed	312	Scrub brushes, wooden body	202
AS 30 S	49	DST Turbo	311	SIC POWER	92
AS 30 S HT	43	Duster, wooden body	202	SIC – semi-flexible	96
AS 30 S INOX	39	Economy roll, brown	100	Sisal/cloth and notiflex folded buffs	212
AS 30 S INOX	65	F3	297	Sisal/cloth folded buffs	222
AS 30 T	42	F4 cera	298	SITUFT®, crimped Osborn wire	226
AS 30 T INOX	39	F5 cera speed	299	Spark plug brushes, plastic body	196
AS 30 T INOX	65	F-adapter	129	Spark plug brushes, wooden body	196
AS 30 V	44	F-Adapter	189	Sponge and cloth	206
AS 36 S INOX	50	FIBER A	94	Stove pipe cleaner, crimped wire	240
AS 36 T	50	FIBER AK	95	Strip brushes with horse hair filament	276
AS 36 V	45	FIBER AZ	95	Strip brushes with nylon filament	275
AS 46 ALU	70	File brushes, wooden body	198	Tapered shank	224
AS 46 T / AS 30 T INOX CUT+GRIND	38	Fillet weld brushes, wooden body	195	Tensioning shaft for cleaning fleece	170
AS 46 T INOX	34	Fine scratch brushes, wooden body	196	Tensioning shaft for mini cutting discs	48
AS 46 T Mini	48	Fitting brushes, steel wire	197	Tensioning shaft for mini grinding discs	71
AS 46 T MINI	71	Fitting brushes, steel wire	240	TE Wheel brushes, Xtreme wire, crimped	182
AS 46 V INOX	35	Flap wheel brushes, abrasive/natural filament	151	The ingenious cutting and grinding disc combo	38
AS 46 X INOX	36	Flap wheel brushes, crimped wire	150	The safe anti-kick-back disc	37
AS 60 T / AS 46 T INOX FreeCut	37	Flap wheels	160	Thread reduction from M14 to M10 x 1.5, galvanised	129
AS 60 T INOX - "New Formula"	28	Flat paint brush, plastic handle	203	Tool holders	249
AS 60 V INOX	29	For reducing bores	129	Tube brushes, abrasive filament	232
AS 60 W INOX	26	G4	302	Tube brushes, double spiral, straight wire	230
AS 60 X INOX	31	Grinding cup, metal	98	Tube brushes, nylon-diamond	233
ATB® brushes with maximum fill density, compatible with clamping fixture	248	Grinding cup, stone	98	Tube brushes, single spiral, crimped wire	228
ATB® brushes with maximum fill density, for shell mill mount	250	Grinding discs for bench grinders	99	Tube brushes, single spiral, straight wire	229
ATB® brushes with maximum fill density, for tool holders	248	Hand brushes, plastic body	192	Tungsten carbide burrs set, Z6 cut	259
ATB® brushes with maximum fill density, Turbo-line	251	Hand brushes, plastic handle	192	Tungsten carbide burrs, Z6 cut	254
ATB® round brush with full trim	252	Hand brushes, wooden body	194	U3	288
Axis discs	189	Handle holder, metal	204	U4	289
AZ 30 S INOX	66	HELITUF®, crimped Osborn wire	227	U4 protect	291
AZ 30 T INOX	66	Hole cleaning brushes, crimped wire	197	U4 speed	290
B4	300	Hole cleaning brushes, crimped wire	238	U5 protect	293
B5	301	Honing tool Novoflex-B®, abrasive filament	234	U5 speed	292
Backing pads	97	Interchangeable metal adapters	224	U7 speed	294
Band saw brush	176	Interchangeable metal adapters	190	UNI-Master® wheel brushes, abrasive filament	183
Bevel brushes, Abrasive Filament	132	Joint brushes, knotted wire	174	UNI-Master® Wheel brushes, Xtreme wire, crimped	184
Bevel brushes, crimped wire	122	Kit of 5 DIY brushes, abrasive filament	153	Weeding brush, wooden body	199
Bevel brushes, crimped wire	123	Kit of 5 DIY brushes, crimped wire	152	Wire handle	241
Bevel brushes, knotted wire	120	Lipprite® 3-pc. satinising kit for metal	215	Workshop broom, wooden body	200
Bevel brushes, knotted wire	121	Lipprite® folded buffs	214	Xtreme cup brushes, stranded crimped wire	116
Bevel brushes, Xtreme Wire, crimped	123	Lipprite® satinising kit, 4 pc	218	ZIRCON FLX	87
BKT abrasive stones	308	M10 adapter, thread adapter	129	ZIRCON JUMBO	83
BKT concrete	308	Metal polish	206	ZIRCON MAXX	88
Block brushes, wooden body	198	Metal polishing kit	206	ZIRCON MAXX X-LOCK	89
Block brushes, wooden body	199	Micro-abrasive tube brushes, abrasive filament	231	ZIRCON PLUS	84
Brake calliper brushes, plastic body	193	Micro-abrasive tube brushes, abrasive filament	231	ZIRCON POWER	80
Broomate®	276	Multizaack	268	ZIRCON POWER X-LOCK...81	
Broom handle, wood	204	Non-woven abrasive flap wheels	163	ZIRCON PRIME G-AZ	85
C 24 R	56	Non-woven abrasive flap wheels	219	ZIRCON SPEED	86
C 46 R	55	Non-woven (satin) finishing rollers	187	ZIRCON TRIM	82
C 60 R	55	Non-woven (satin) finishing rollers	221	ZIRCON TRIM X-LOCK	82
CeraDrill for drilling machines	306	Novoflex-H®, Novofil®-WF Filament	237		
CeraDrill set for drilling machines	307	Novotec diamond wheel brushes	244		
CERA MAXX	91	Nozzle cleaning brushes, wire/nylon	239		
		Polimaxx 1 – coarse	125		
		Polimaxx 2 – medium	125		



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